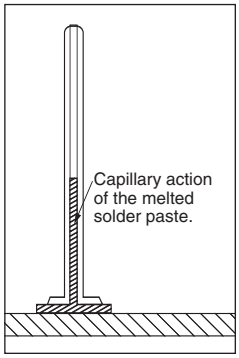
Catalog 42

131 Radio Circle, Mount Kisco, NY 10549
800-882-8020 • 914-666-2911 • Fax: 914-666-0216
www.zierick.com

Zierick's surface mount terminals feature internal holes or slots at the base which foster a capillary solder wicking action for improved post reflow accuracy and joint strength.

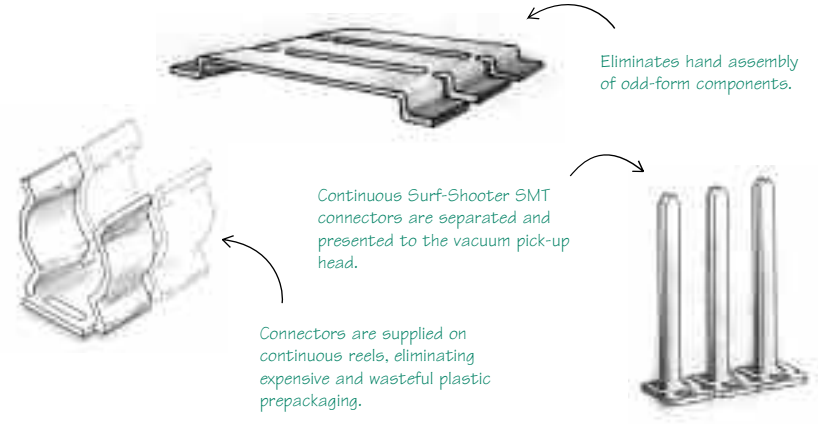


As the industry's first surface-mountable connectors to be supplied on a continuous reel, Surf-Shooter SMT connectors are used as part of Zierick's patented Surf-Shooter SMT (Surface Mount Technology) Assembly System to simplify surface mount assembly. The complete Surf-Shooter SMT system feeds, separates, and presents the continuous format, surface-mountable connectors to the vacuum pick-up head of a new or existing placement system.

The continuous format design of the stamped Surf-Shooter SMT connectors eliminates the need for prepackaging that surface mount connectors typically come in. Even odd-form components can be fed to the placement system on continuous reels, eliminating hand assembly.

For easy integration into customer assembly lines, the Surf-Shooter SMT Assembly System operates with virtually any standard placement system. Each Surf-Shooter SMT system consists of a feeder system and continuous Zierick connectors. Zierick will supply or modify feeders for virtually any SMT placement system.

- Zierick's Surf-Shooter SMT connectors are the first surface-mountable connectors to be supplied on a continuous reel, for easy feeding to the vacuum pick-up head of a placement system.
- Surf-Shooter SMT connectors are used within Zierick's Surf-Shooter SMT Assembly System to feed, separate, and present the continuous format connectors to the pick-up head.
- Surf-Shooter SMT connectors eliminate plastic pre-packaging due to their continuous format design.
- The Surf-Shooter SMT Assembly System operates with virtually any standard flexible placement system.
- Available in 16mm and 24mm tape format.



Eliminates hand assembly of odd-form components.

Continuous Surf-Shooter SMT connectors are separated and presented to the vacuum pick-up head.

Connectors are supplied on continuous reels, eliminating expensive and wasteful plastic prepackaging.

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Surface Mount Pins and Posts

Surf-Shooter SMT pins and posts are specially designed for high-reliability PCB interconnection applications. They are available in 0.025" square (0.64mm), 0.040" (1.02mm), 0.043" (1.09mm), 0.060" (1.52mm), and 0.080" (2.03mm) diameters.

To increase interconnection reliability, they utilize the capillary action of reflowing solder 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:

1) 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 will. Solder behavior is analogous to that of adhesive: undeniably a thinner layer of adhesive bonds more strongly than a thicker layer.

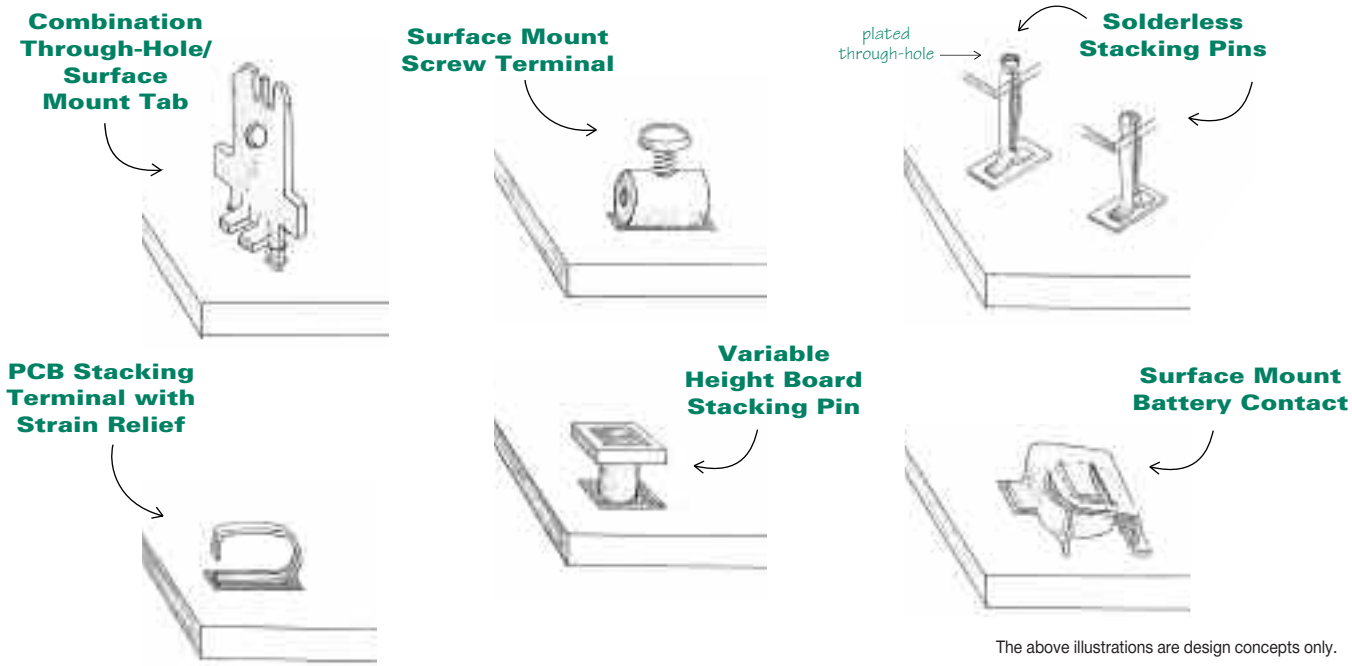
2) As the solder paste reflows, flux and other active ingredients in the solder cause outgassing. These gasses get

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. Cracks in solder joints develop from such voids during thermal cycling. Field evaluations show that posts with enhanced capillary action are more resistant to the effects of thermal cycling.

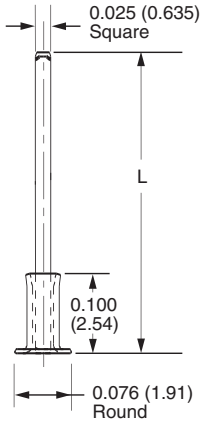
Application Design Concepts

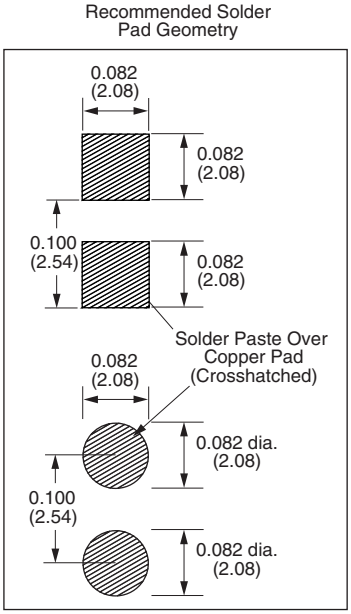
New design requirements?

… submit your project information online at www.zierick.com/stampquote.htm



The above illustrations are design concepts only.





PART NUMBERING SYSTEM

A	1					
Product Code		Pin Length Dim (L)			Finish Specification	

250 - 0.250" (6.35mm)
375 - 0.375" (9.53mm)
500 - 0.500" (12.70mm)
625 - 0.625" (15.88mm)
750 - 0.750" (19.05mm)
SPL - Special Length

0 - 0.000150"(0.0038mm) Min Matt Tin over 0.000100" (0.0025mm) Min Copper

19 - 0.000030"(0.00076mm) Min Gold over 0.000050" (0.0013mm) Min Nickel

SP - Special Finish

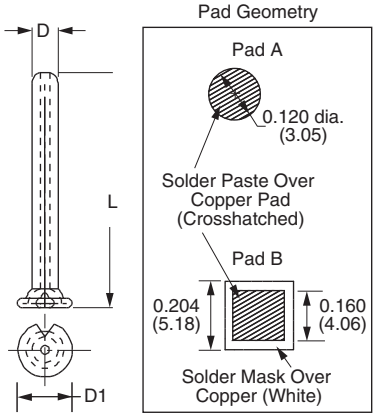
EXAMPLE

A	1	2	5	0	–	0	

A1 - Product Code, **250** - 0.250" (6.35mm) Pin Length

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

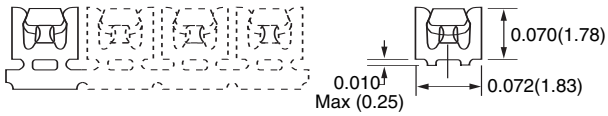
U.S. Patent No. 5,816,868 and international patents

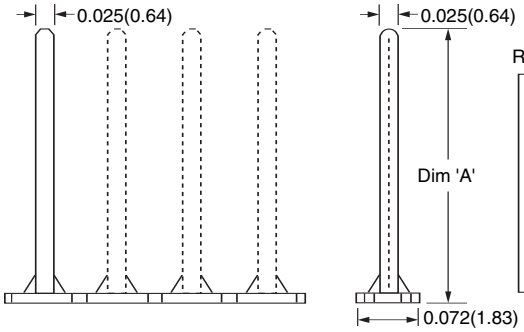


Part Number	Description	L	D	D1	Pad
1242-375-SP	0.043" (1.09mm) Dia x 0.390" (9.91mm) long Brass SMT post; 0.00005" (0.0013mm) Min Gold over 0.000100" (0.0025mm) Nickel	0.390" (9.91mm)	0.043" (1.09mm)	0.095" (2.41mm)	A
1248-580	0.060" (1.529mm) Dia x 0.580" (14.73mm) long Brass SMT post; 100% Tin over Copper	0.580" (14.73mm)	0.060" (1.52mm)	0.100" (2.54mm)	A
1213-680	0.080" (2.03mm) Dia x 0.680" (17.27mm) long Brass SMT post; 100% Tin over Copper	0.680" (17.27mm)	0.080" (2.03mm)	0.145" (3.56mm)	B
Feeder System Surf-Shooter SMT – Loose Piece (Pin Shooter)					

U.S. Patent No. 5,816,868 and other U.S. and international patents

0.025" (0.635mm) Surface Mount Post





Loose Part No.	1216	1222
Reeled Part No.	6216	6222
Dim 'A'	0.375" (9.53mm)	0.250" (6.35mm)
Material Thickness/ Type	0.012" (0.30mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	Surf-Shooter SMT – Continuous Strip	

U.S. Patent No. 5,632,629 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

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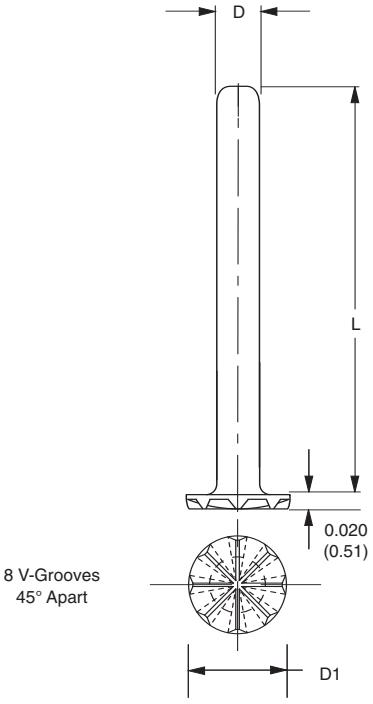
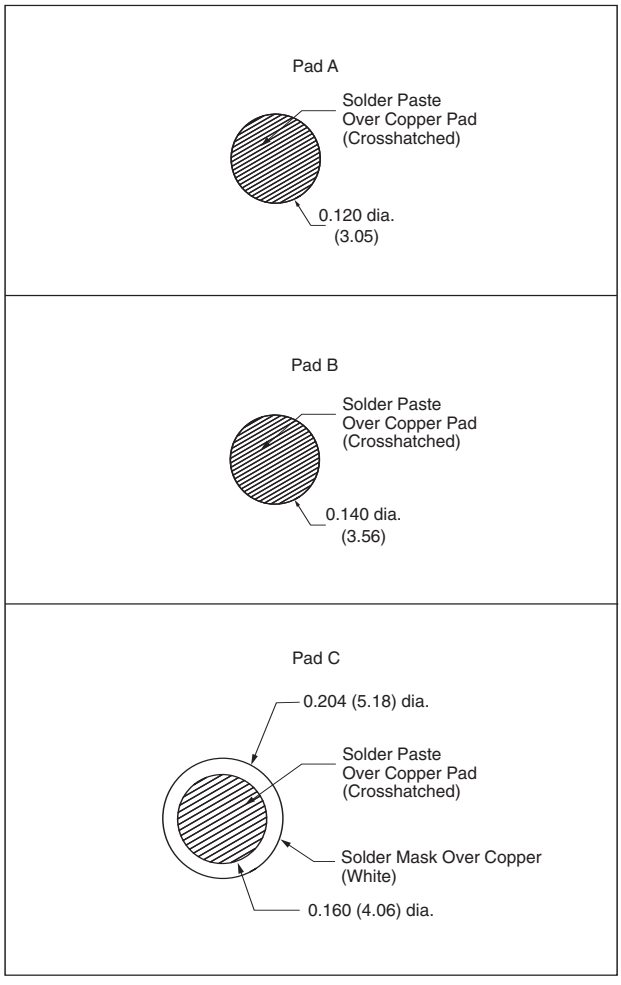
SOLID SMT PINS					
Part Number	**Description**	**L***	**D**	**D1**	**Pad**
A2-680	0.040" (1.02mm) Dia x 0.680" (17.27mm) long Copper solid SMTpost; 100% Tin over Copper	0.680" (17.27mm)	0.040" (1.02mm)	0.095"±0.005" (2.41mm ±0.127mm)	A
A3-680	0.060" (1.52mm) Dia x 0.680" (17.27mm) long Copper solid SMT post; 100% Tin over Copper	0.680" (17.27mm)	0.060" (1.52mm)	0.120"±0.005" (3.05mm ±0.127mm)	B
A4-680	0.080" (2.03mm) Dia x 0.680" (17.27mm) long Copper solid SMT post; 100% Tin over Copper	0.680" (17.27mm)	0.080" (2.03mm)	0.140"±0.010" (3.56mm ±0.254mm)	C
Feeder System Surf-Shooter SMT – Loose Piece (Pin Shooter)					

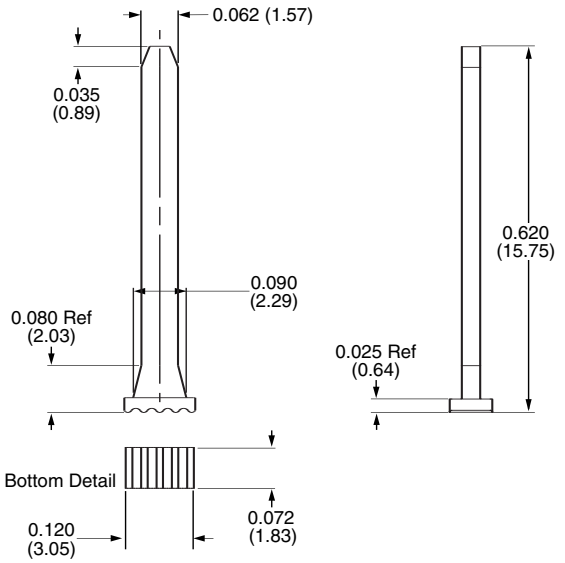
* Additional Pin Lengths available upon request. Please consult factory.



Recommended Solder Pad Geometry

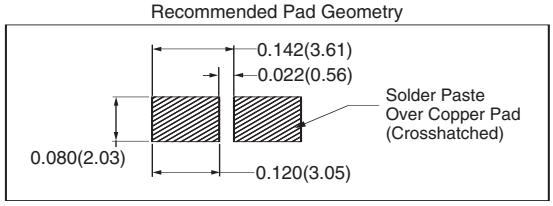


SMT Post

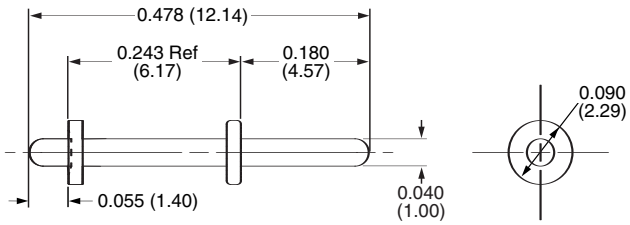


Loose Part No.	1276
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT- Loose Pin (Pin Shooter)

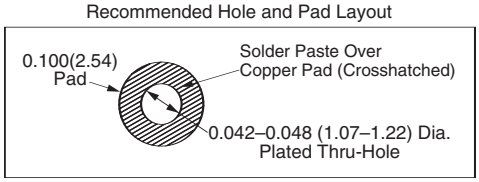
Recommended Pad Geometry



SMT Shoulder Pin

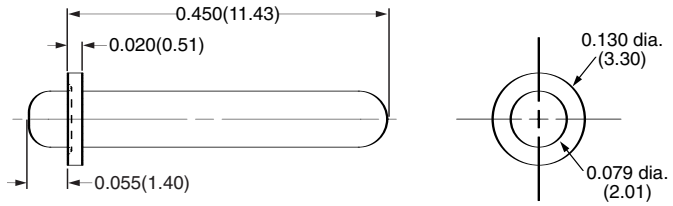


Recommended Hole and Pad Layout

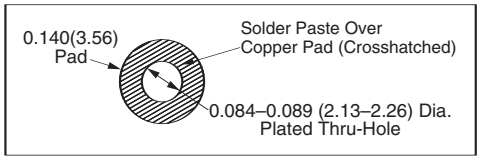


Loose Part No.	D2-480-A
Material Type	Copper
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT- Loose Piece (Pin Shooter)

SMT Shoulder Pin



Recommended Hole and Pad Layout



Loose Part No.	A-2056
Material Type	Copper
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT- Loose Piece (Pin Shooter)

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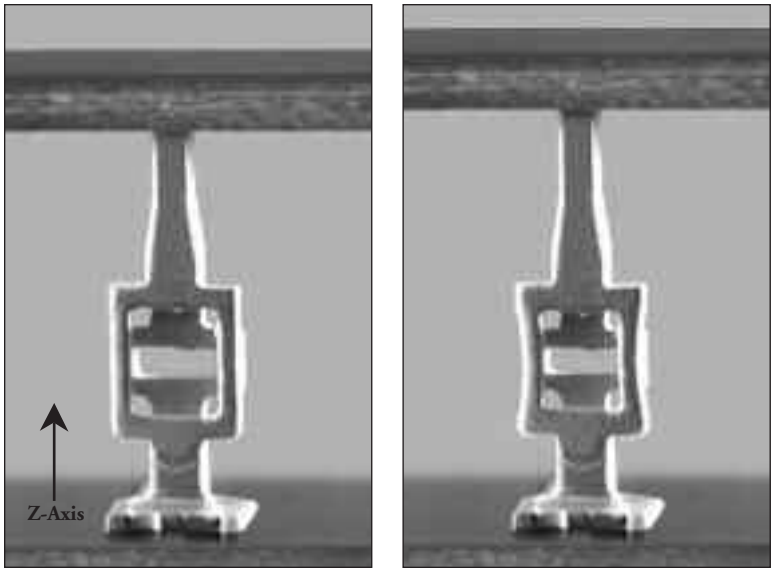

Note: Degree of physical change to pin has been enhanced and exaggerated for demonstration purposes.

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

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

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

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

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

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

The Z-Axis pins are manufactured using 0.012" (0.30mm) thick copper, and feature a 100% tin over copper finish.

Benefits

Zierick's SMT Z-Axis Compliant Pin:

Increases PCB design flexibility.

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

Optimizes automation.

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

Allows for a better connection.

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

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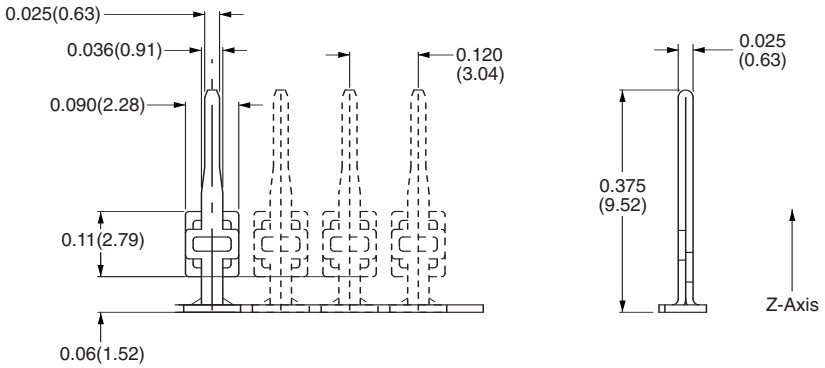
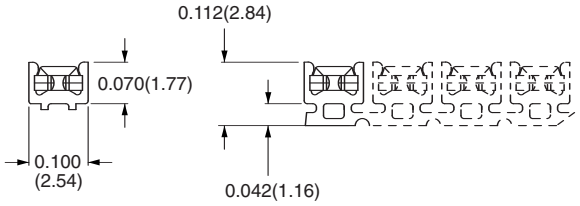
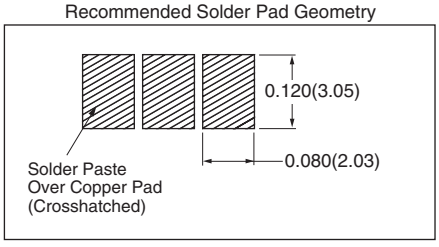
Loose Piece Part No.	1264
Reeled Part No.	6264
Material Thickness/Type	0.012" (0.30mm) Copper
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT Continuous Strip Feeder

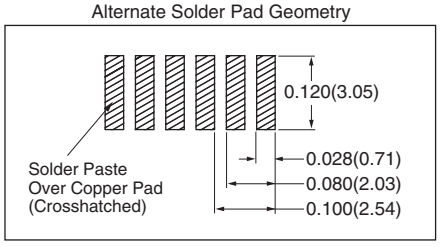


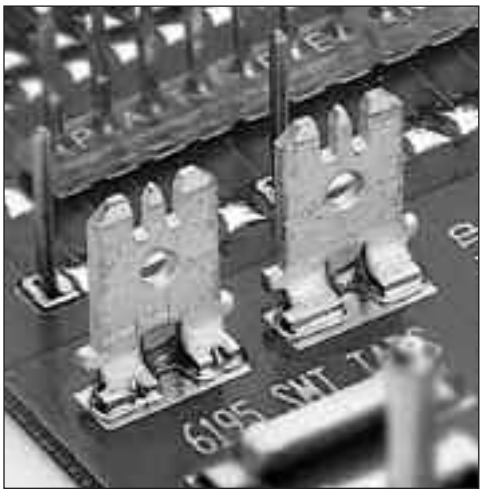


Recommended Solder Pad Geometry



Alternate Solder Pad Geometry





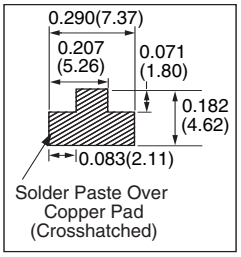
Zierick's family of Surface Mount Quick Disconnect Tabs are now easier than ever to use. They are supplied on reels for easy application by our Surf-Shooter SMT Feeders, in loose piece for lower volumes, or in Surface Mount Tape Pockets.

Our Surface Mount Quick Disconnect Tabs in Tape Pockets are designed for easy pick-up by your existing placement system in two ways: we can offer Tape Pockets for Gripper pick-up (TG) or for Nozzle Pick-Up (TZ). For other requirements, please consult the factory.

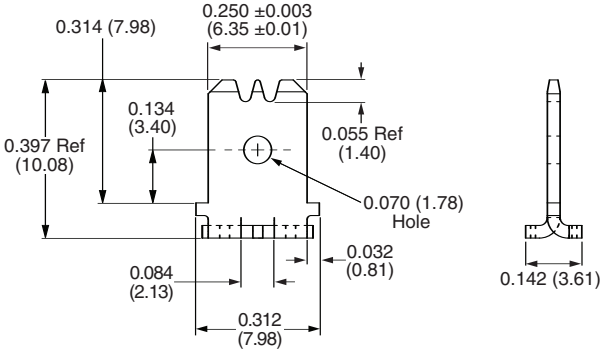
SMT 0.250" (6.35mm) Tabs / Quick Disconnect Terminals

Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max. A 2oz. PCB Copper trace recommended.

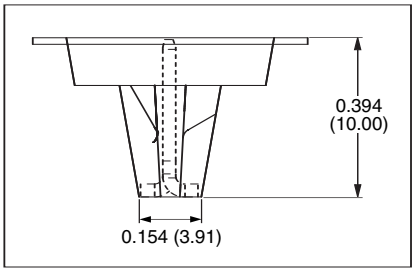
Recommended Pad Geometry



Loose Part No.	1195
Taped Part No.	1195TG
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper
Feeder System	TG: In Tape for Gripper Pick-Up Standard 24mm Tape Feeder



Part In Tape



U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

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SMT 0.250" (6.35mm) Tabs / Quick Disconnect Terminals

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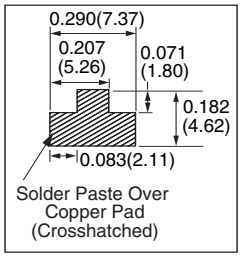
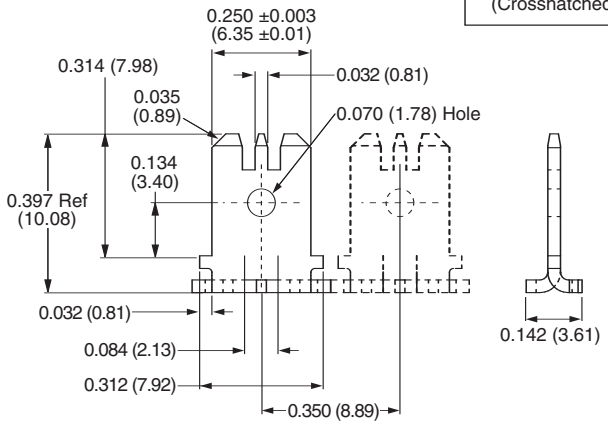
Recommended Pad Geometry

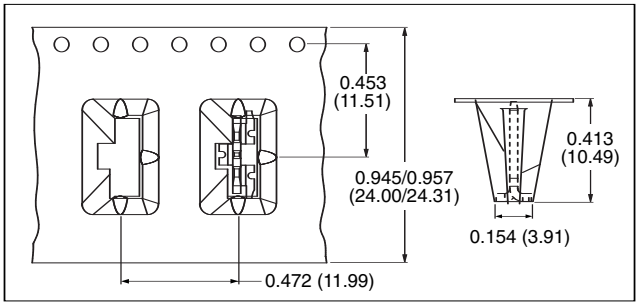


Taped Part No.	6195TZ
Strip Part No.	6195
Material Thickness/ Type	0.032" (0.81m Brass
Standard Finish	Loose: 100% Reeled: 100%
Feeder System	TZ: In Tape fo Standard 24

PN 6195TZ, 6195 OBSOLETED
Replaced by 1285TZ and 6285



Part In Tape



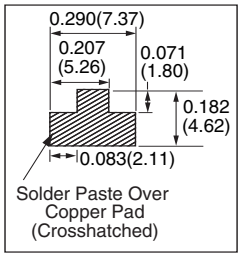
U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

SMT 0.250" (6.35mm) Tabs / Quick Disconnect Terminals

Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max. A 2oz. PCB Copper trace recommended.

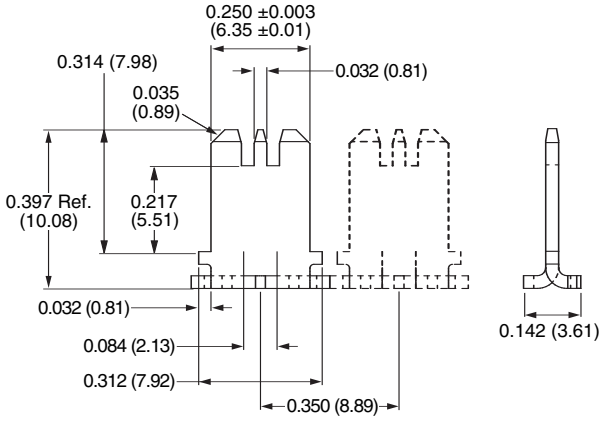
Recommended Pad Geometry



Loose Part No.	1244
Strip Part No.	6244
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Feeder System	Surf Shooter SMT – Continuous Strip

PN 1244 OBSOLETED

Consult factory for pricing and availability of Loose Piece Parts.



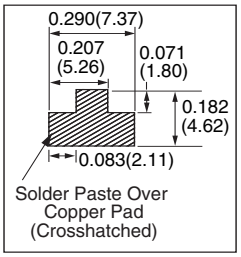
U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

SMT 0.250" (6.35mm) Tabs / Quick Disconnect Terminals

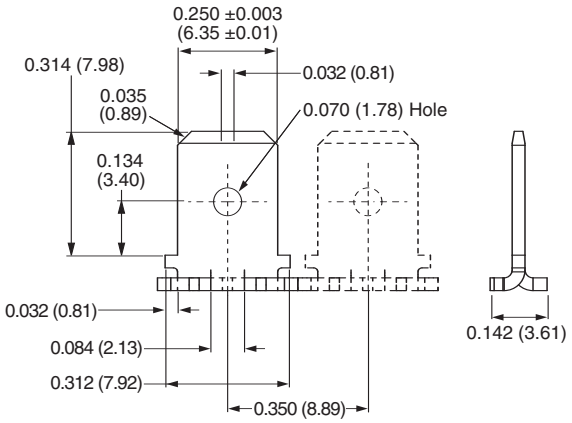
Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max. A 2oz. PCB Copper trace recommended.

Recommended Pad Geometry

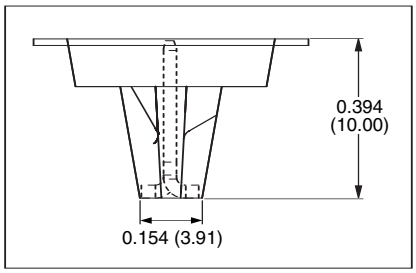


Loose	Strip	Taped
1281	6281	1281TG
Material Thickness/ Type		
Standard Finish		
Feeder System		

PN 1281, 6281, 1281TG
OBSOLETED
Replaced by PN 1195, 6285



Part In Tape



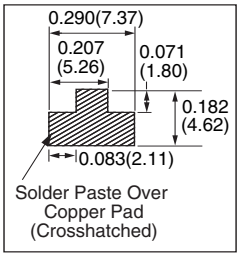
U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

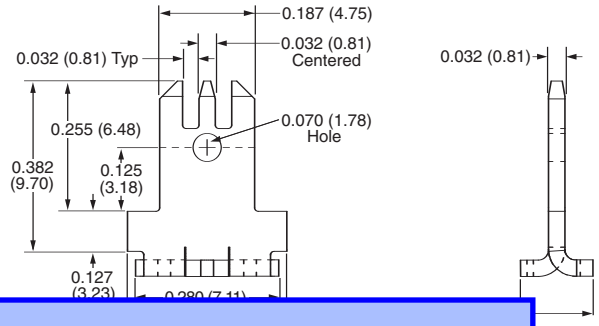
SMT 0.187" (4.75mm) Tabs / Quick Disconnect Terminals

Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max. A 2oz. PCB Copper trace recommended.

Recommended Pad Geometry



Loose Part No.	1278
Strip Part No.	6278
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Feeder System	Surf Shooter SMT – Continuous Strip



PRINT MODIFIED *for* PN 1278, 6278
See www.zierick.com/pages/sm_qdt1278.php.

U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

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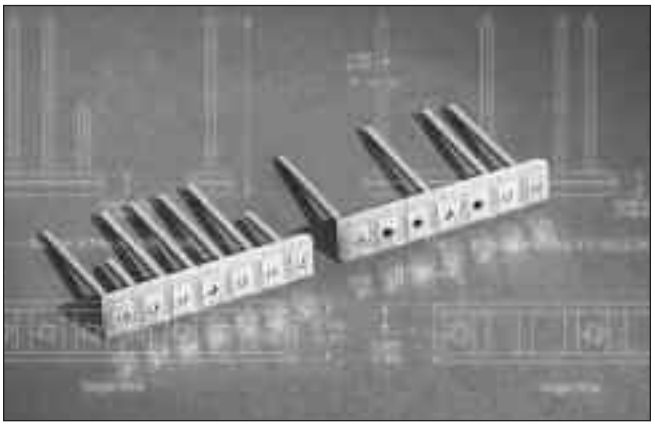
Zierick's unique header assembly features capillary action to improve solder joint strength. As a result, pin retention force is 50% higher than that of J-Lead type headers. As the capillary action draws the solder, it pulls the header assembly tightly to the PCB. At the same time, co-planarity problems 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 side of the pin and the curved wall of the hole. The 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 guaranteed. 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.

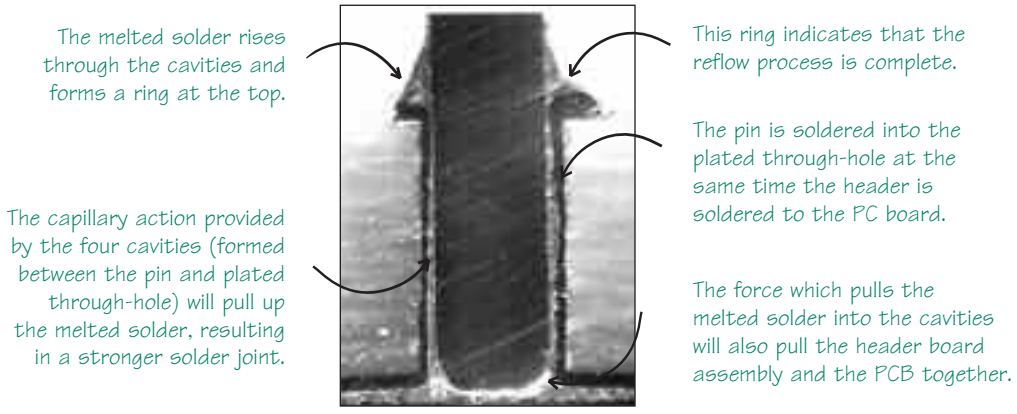
To meet varying application requirements, Zierick headers are available with pins missing at specified positions or

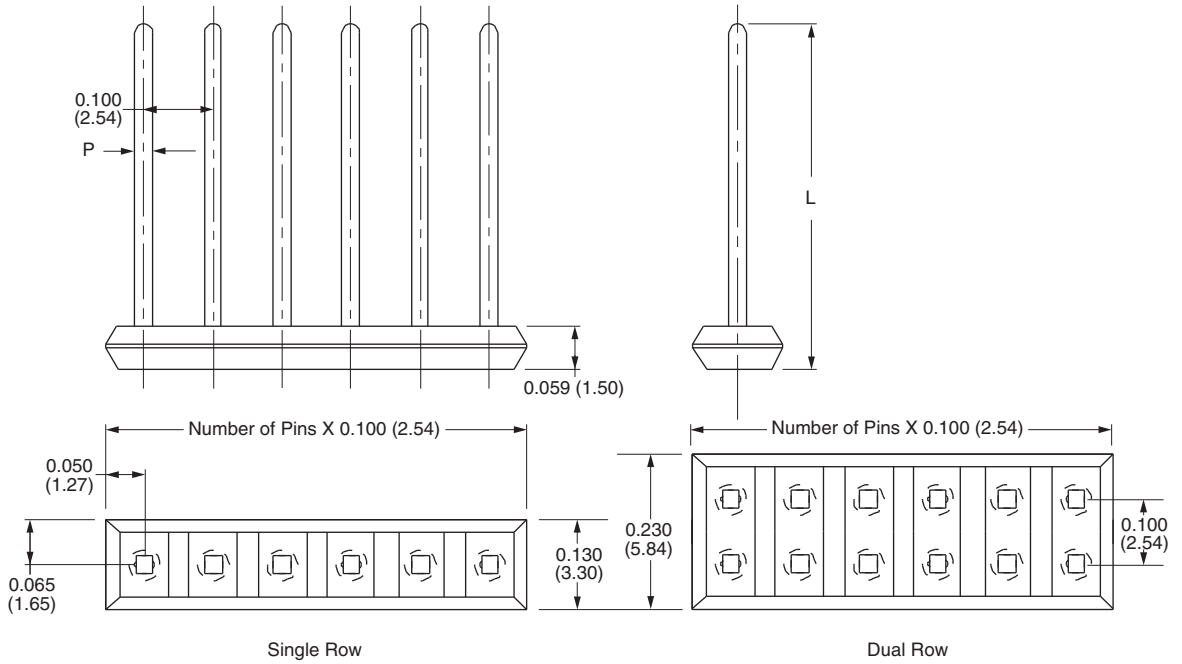


with pins of different lengths and sizes. Pins are offered in brass or copper, and optional configurations are available.

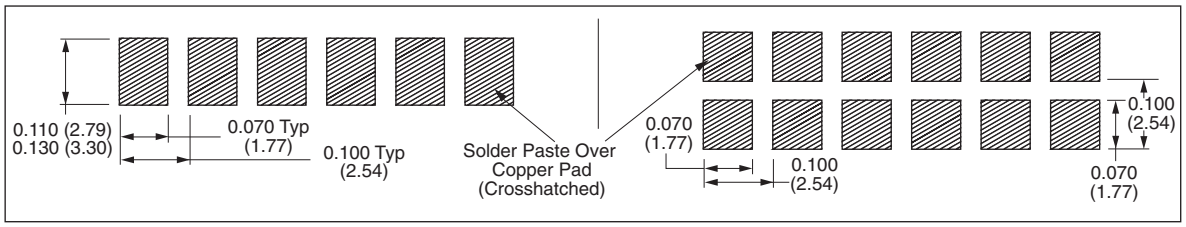
Features and benefits of Zierick headers:

- Co-planarity problems eliminated
- Minimal real estate required on board
- 50% higher pin retention force
- Optional configurations
  - Single row
  - Dual row
  - Horizontal
  - Matrix
- More forgiving board placement tolerances
- Visual indicator assures quality processing
- Highest resistance to thermal shock and thermal cycling due to material selection





Recommended Solder Pad Geometry



PART NUMBERING SYSTEM

H						
Product Code	Number of Rows	Pins Per Row	Pin Length Dim (L)			Finish Specification
	Single (**1**) Double (**2**)	**1-99** - 1 to 99 Pins **SP** - 100 to 121 Pins	**250** - 0.250" (6.35mm) **375** - 0.375" (9.53mm) **500** - 0.500" (12.70mm) **625** - 0.625" (15.88mm) **750** - 0.750" (19.05mm) **SPL** - Special Length			**T**-Tin Plated **G**-Gold Plated

EXAMPLE

H	1	1 0	2	5	0	G

H - Product Code, **1** - Single Row Header, **10** - Ten Pins Per Row
250 - 0.250" (6.35mm) Pin Length, **G** - Gold Plated

Packaging - Loose Piece or Strip Format

Feeder System - Surf Shooter SMT - Header Feeder. The Header Feeder integrates into standard flexible placement equipment and feeds header strips, then shears and presents individual header assemblies for nozzle pick-up.

U.S. Patent No. 6,402,531 B1

For exact finish specifications and available special finishes, see Finish Table (page 106).

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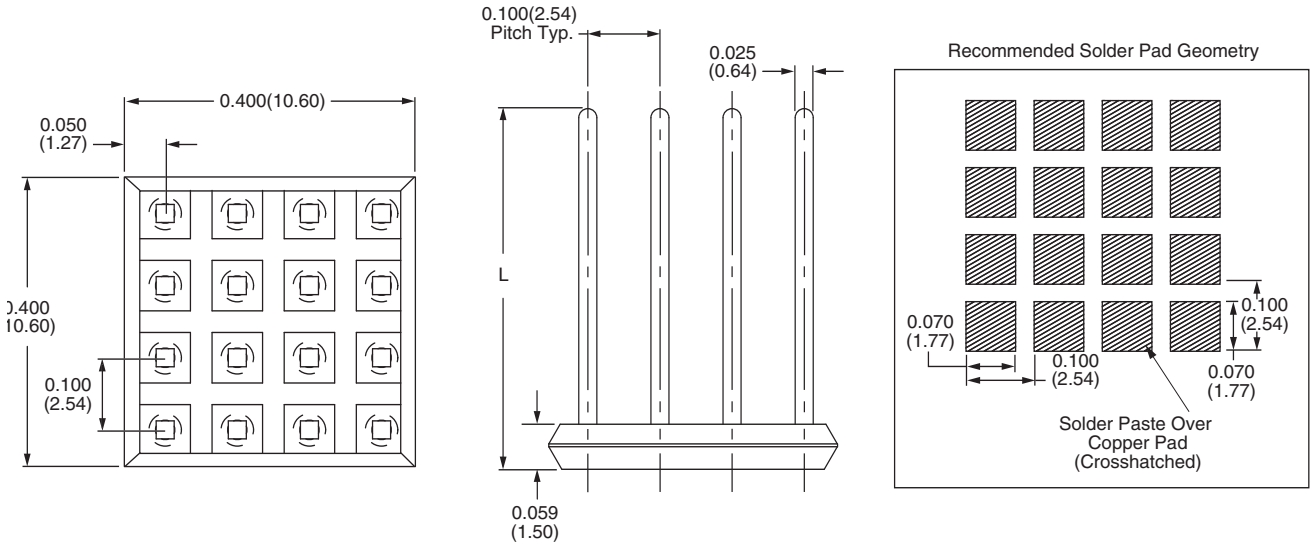
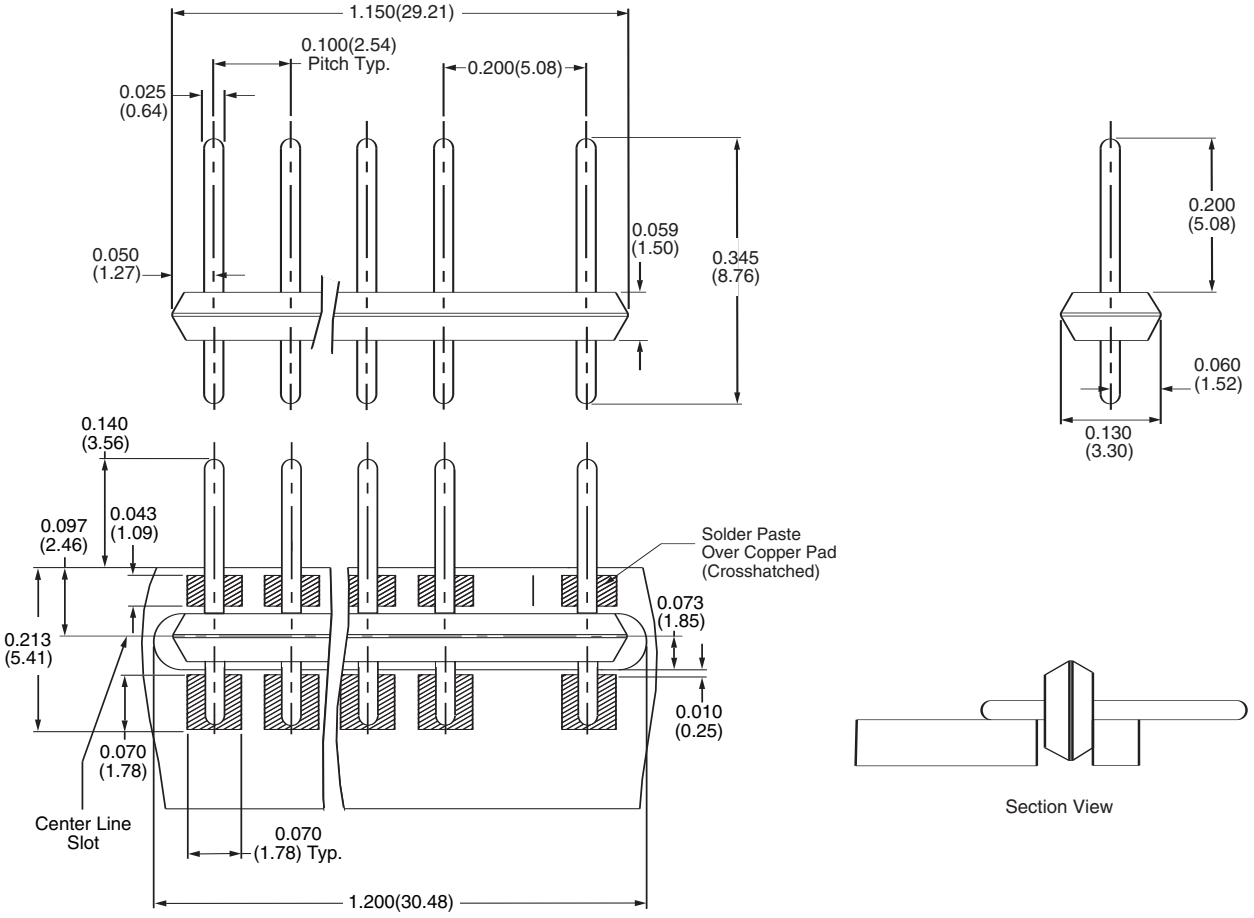
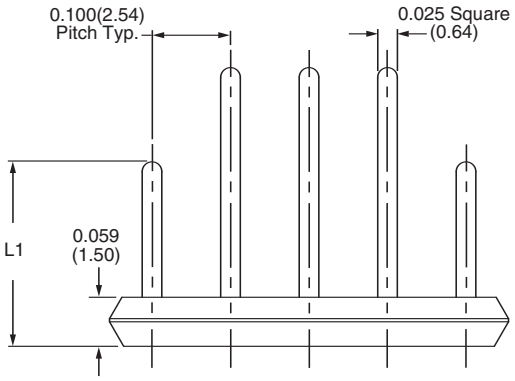


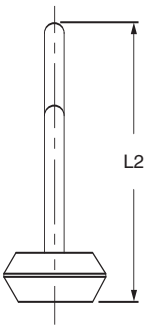
NOTE: Drawing is of a horizontal pin header representing a 1x11 SMT Header with one pin missing.

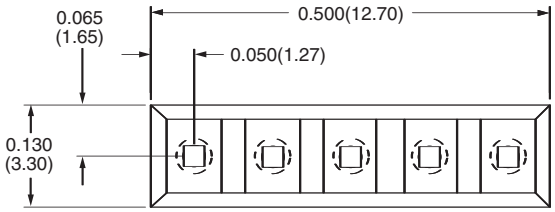


Suggested PCB Copper Pad Layout

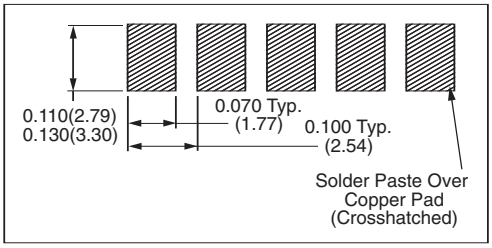
SMT Variable Length Pin Headers



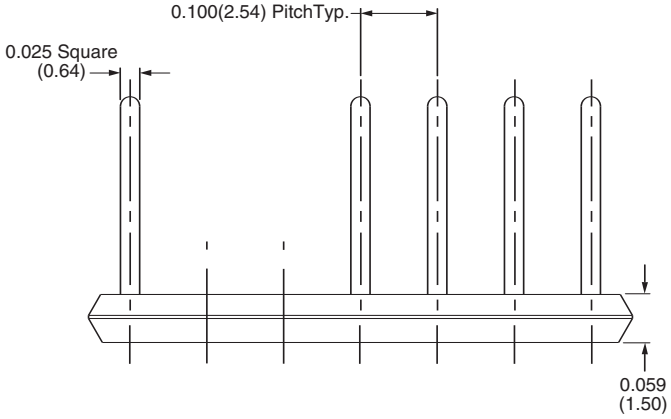


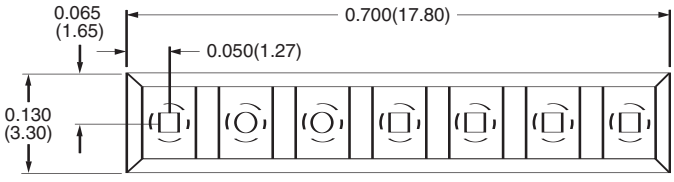


Recommended Solder Pad Geometry

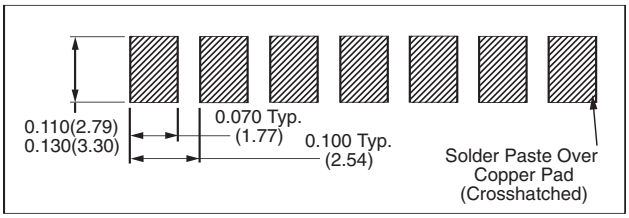


SMT Missing Pin Headers





Recommended Solder Pad Geometry



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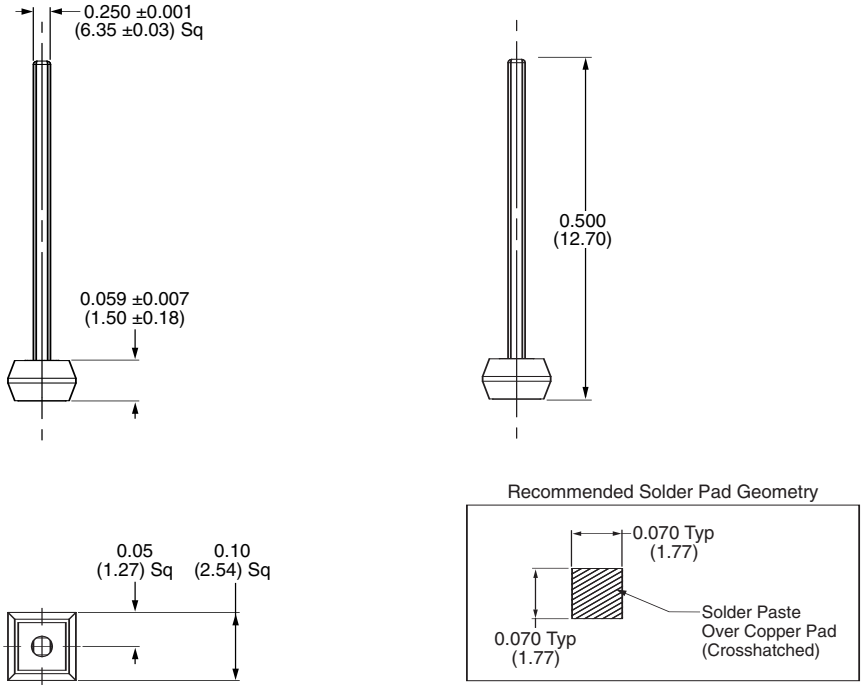
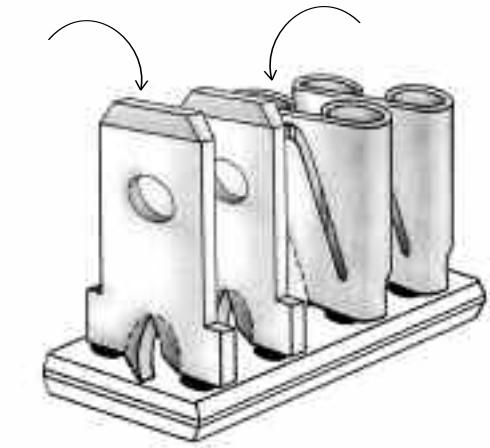
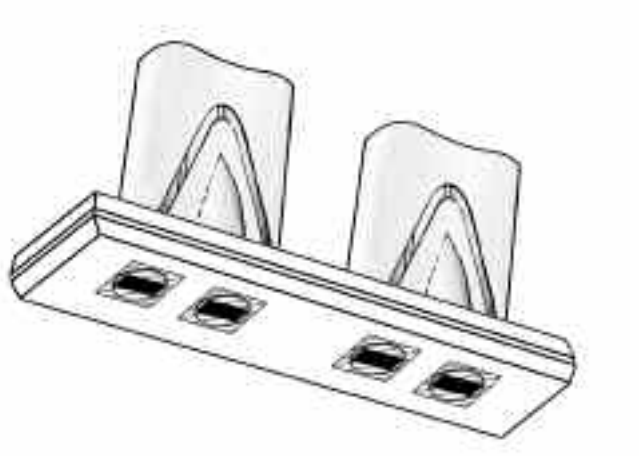


Combine different components on a single surface mount header to meet your application specific requirements.



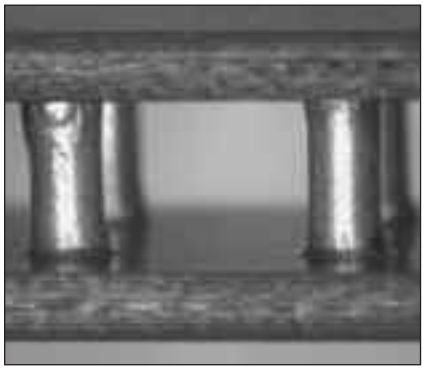
On the top side of the board, there is a small circular solder pad centralized around the plated through-hole allowing for visual confirmation that reflow has taken place.



The plated through-holes are located at the center of a square solder pad on the bottom of the board providing capillary action and a firm solder bond to the PCB pad.

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

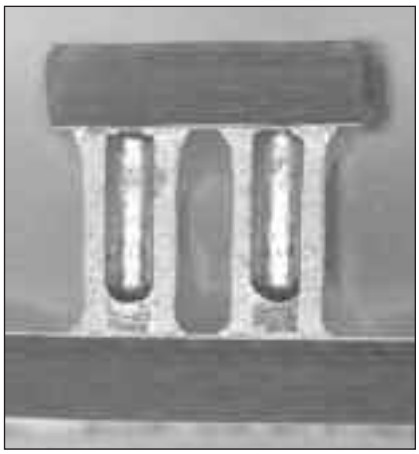
The Board Stacking Connector joins the mother and daughter board with surface mount technology on both boards.



Zierick has applied the benefits of capillary action to our newest interconnect product — the 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? Greater PCB design flexibility, more cost-efficiency and a higher quality connection.

Available in bulk, on pallets 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.



Benefits

Zierick's Board Stacking Connector:

Provides a cost-efficient board stacking solution.

- Surface-mounts to the bottom and top of a PCB for a stronger mother board-daughter board connection
- Uses existing placement machines; no need for new insertion systems

Increases PCB design flexibility.

- Uses minimal real estate, allowing for more components to be placed on the PCB
- Eliminates the need for through-hole pins

Allows for a better connection.

- Provides low contact resistance, high current rating and co-planarity within 0.001"
- Uses capillary action for a stronger solder joint

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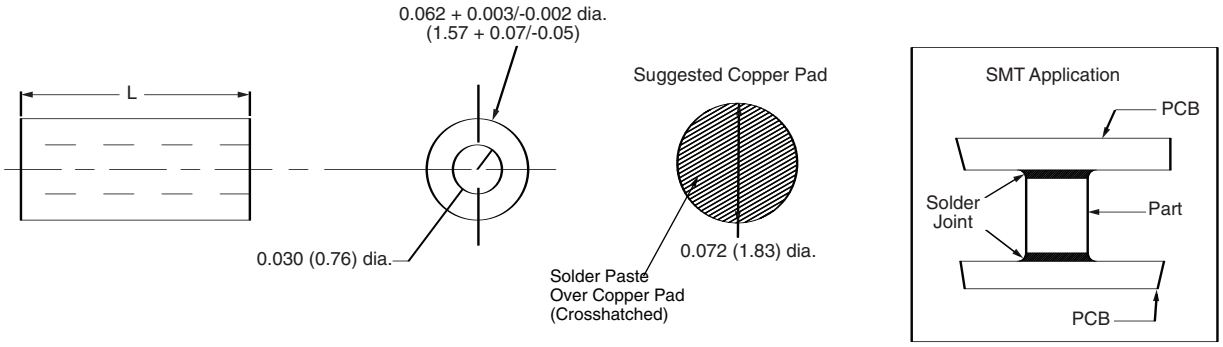
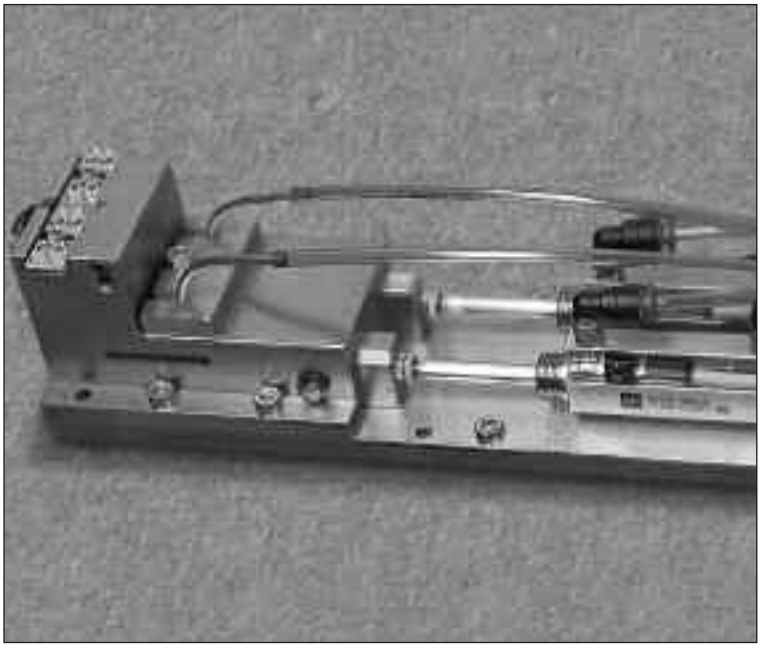
Loose Part Number **Dimension L**	1258 - xxx - 0 0.090" to 0.250" (Fill in xxx with desired length, Dimension L)
Taped Part Number	1261T (PN 1258-090-0 in Tape) Consult factory for other taped options.
Finish Material	.000150" Min 100% Tin over .000100" Copper
Contact Material	C36000 Brass Cylinder Consult factory for optional materials.
Termination Retention Force	3.5 lbs per terminal
Current Rating	10 Ampere



U.S. Pat. No. 5,816,868

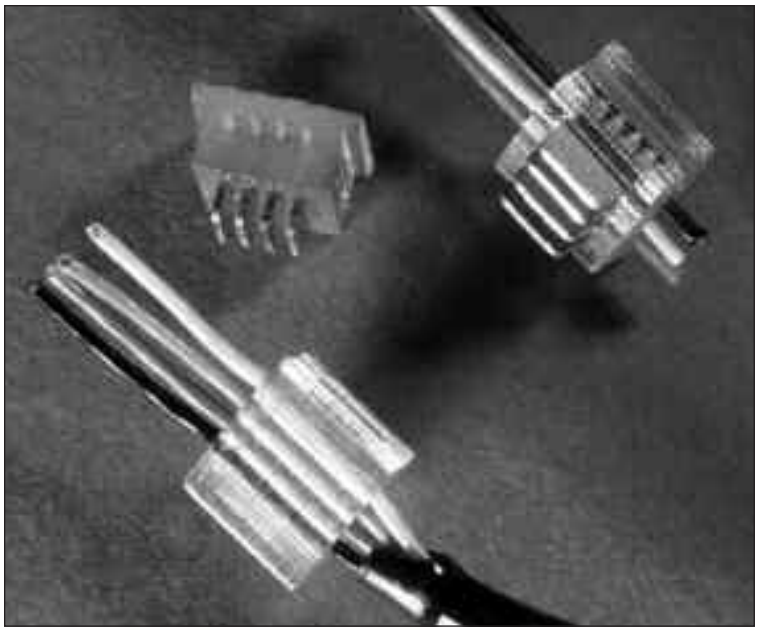
Surf Shooter SMT Board Stacking Connector Feeder



The Surf Shooter SMT Board Stacking Connector Feeder is designed to mount to a flexible placement system (flex cell) and present the SMT component at feed rates greater than 3 connectors/second. Parts are fed into an escapement where compressed air pushes the board stacking connector into a reservoir that presents the component to the placement system vacuum nozzle.

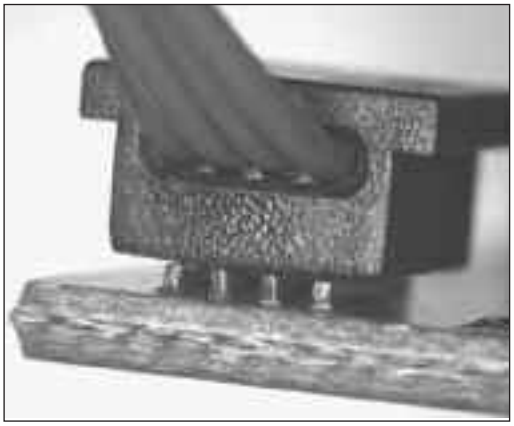
The unit is compact, less than 4" wide, and easily mounts to the placement system feeder bay. The feeder itself is a self-contained unit, 110 V_{AC} /80 psi, typically requiring no electronic control interface with the placement machine.

The feeder is designed specifically to accommodate the new connectors. High-speed feeders are available for most placement systems.



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.



Zierick offers its newest insulation piercing connector — the SMT 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.

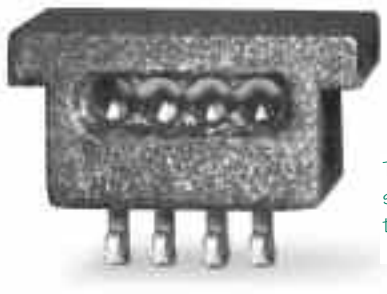
Design

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.



The piercing blades accommodate solid, stranded or tinsel wire, and are designed to maintain a continuous force on each wire.

Benefits

Zierick's SMT Fine Wire Connector:

Saves you labor time and costs.

- Eliminates the need to solder wires to the PCB
- Allows for the efficient termination of multiple wires at the same time

Gives you a higher quality termination.

- Maintains consistent pressure on the wires for better conductor contact
- Provides superior retention to the board

Provides a more cost-efficient solution.

- Uses minimal PCB real estate
- Offers the least expensive method for wire termination

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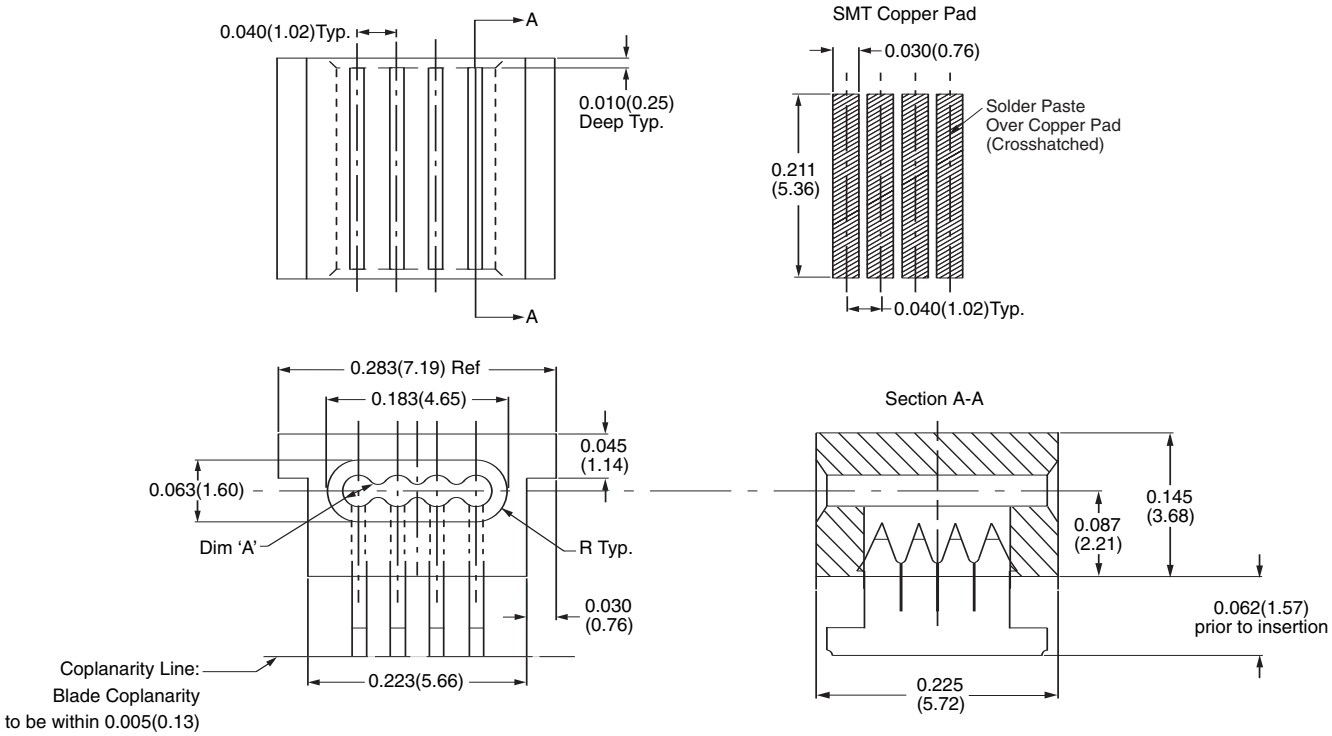
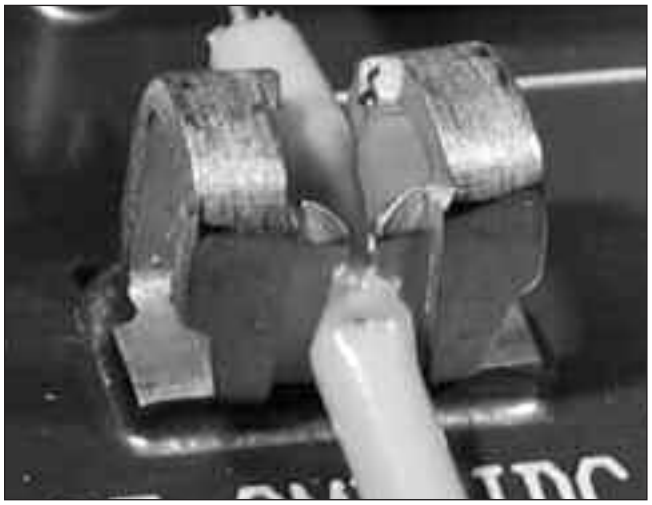
Physical			
Loose Part No.	IPC-4	IPC-4-45	
Taped Part No.	IPC-4-T	IPC-4-45T	
Dim 'A'	0.035(0.89)	0.045(1.14)	
Wire Gauge & Insulation Diameter	From 32 AWG to 28 AWG solid, stranded or tinsel wire; with insulation diameter 0.025" – 0.032"	From 32 AWG to 26 AWG solid, stranded or tinsel wire; with insulation diameter 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
Markings	Z (Zierick logo) and cavity number	**Color**	Black
Electrical			
Current Rating/ Wire Size	28 AWG 1.5 Amp., 30 – 32 AWG 1 Amp.	**Insulation Resistance**	> 1 x 10^9 Ω @ 500 VDC
Contact Resistance	> 20 mΩ	**Withstanding Voltage**	500 VRMS @ Sea Level
Environmental			
Reflow Temperature	446° F Max 230° C Max	**Operating Temperature**	-67° F to 221° F (-55° C to 105° C)



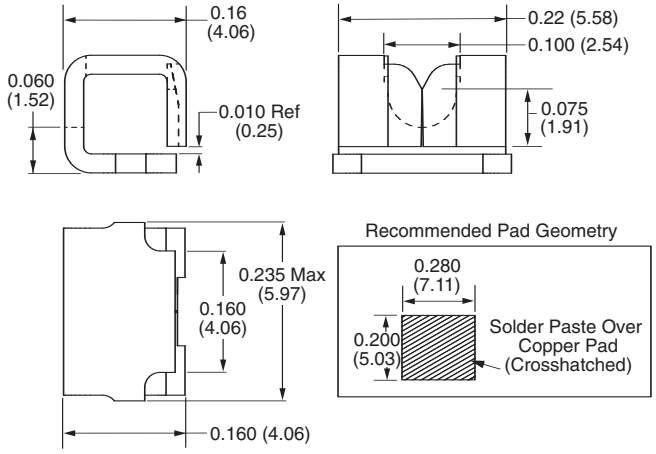
U.S. Patent(s) pending



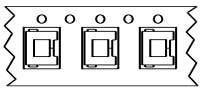
Zierick's Surface Mount IDC was designed to be a more cost-effective way to terminate a wire because it eliminates the need for hand-soldering wires to the PCB. It was also designed to be automated by the customer's existing pick-and-place equipment using standard taping methods or a special feeder. This is a surface mount version of a proven through-hole version. It is re-usable, has a low profile, and is geographically stable. Our family of SMT IDCs can terminate a large range of wire gauges. It has a proven track record for withstanding shock and vibrations associated with automotive applications.

SMT IDC Wire Connectors

NOTE: Internal strain relief dimensions dependent on wire/insulation; please consult factory.



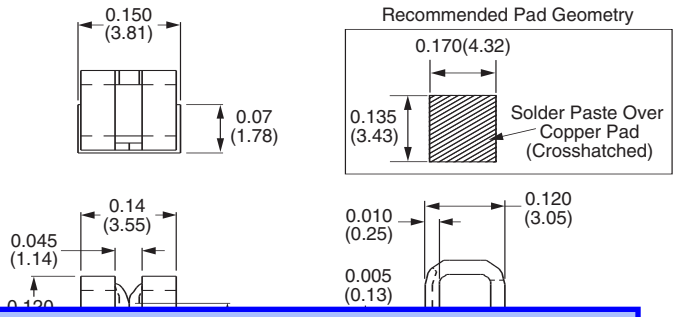
Loose Part No.	1245	1245T
Material Thickness/ Type	0.025" (0.64mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	N/A	Standard 12mm Tape Feeder
Wire Gauge Range	#26–18 AWG	
Wire Insertion Tool	WTP-4ALL: Prototype Tool WTPPS-1208-1: Pneumatic Production Tool	



Also available in Carrier Tape (1245T)

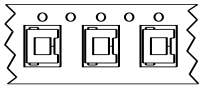
U.S. Patent No. 5,022,868 and other international patents

NOTE: Internal strain relief dimensions dependent on wire/insulation; please consult factory.



PRINT MODIFIED *for* PN 1235, 1235T
See www.zierick.com/pages/sm_idc_1235.php.

Loose Part No.	1235	1235T
Material Thickness/ Type	0.020" (0.50mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	N/A	Standard 12mm Tape Feeder
Wire Gauge Range	#26–30 AWG	
Wire Insertion Tool	WTPPS-1235-1: Pneumatic Production Tool	



Also available in Carrier Tape (1235T)

U.S. Patent No. 5,022,868 and other international patents

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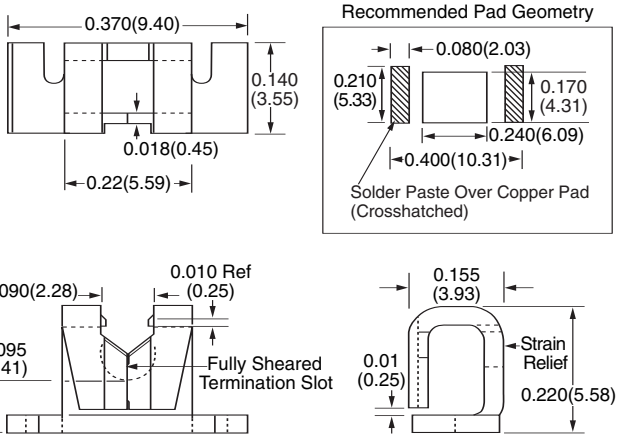
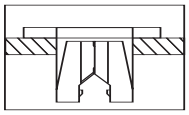
Reverse Mount SMT IDC

NOTE: Internal strain relief dimensions dependent on wire/insulation; please consult factory.



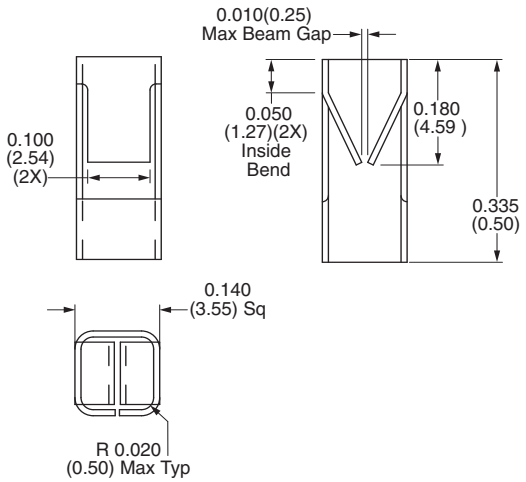
Loose Part No.	1227
Reeled Part No.	6227
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT– Continuous Strip
Wire Gauge Range*	#26–18 AWG

***Note:** Wire insertion tool required. Consult factory.


Actual Use

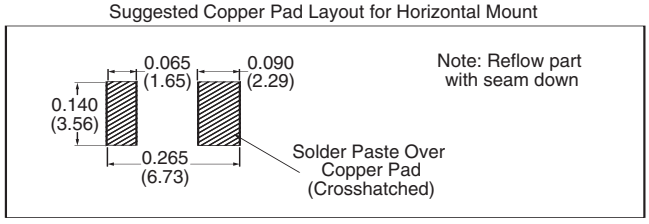
U.S. Patent No. 5,022,868 and other international patents

SMT Wire Gripper

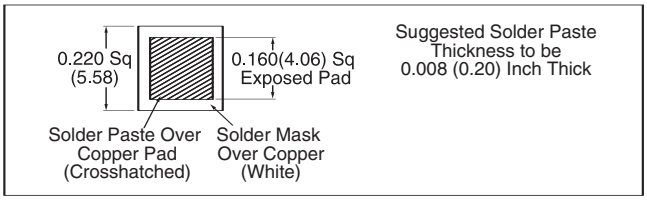


Loose Part No.	1262	
Reeled Part No.	6262	
Taped Part No.	1262T	1262TH
Mating Terminal Size	0.025" (0.64mm) square or 0.032" (0.81mm) round pin	
Material Thickness/ Type	0.008" (0.20mm) Phosphor Bronze	
Standard Finish	100% Tin over Copper	
Feeder System	Surf-Shooter SMT – Continuous Strip Standard 24mm Tape Feeder	

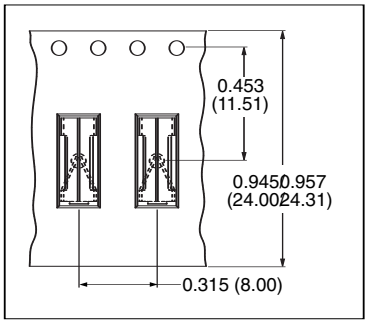
Suggested Copper Pad Layout for Horizontal Mount



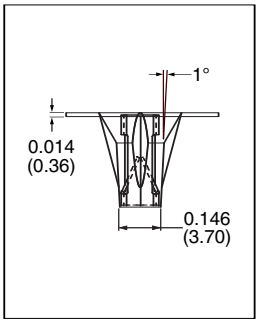
Suggested Copper Pad Layout for Vertical Mount



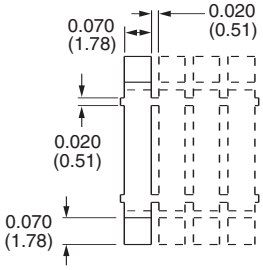
1262TH

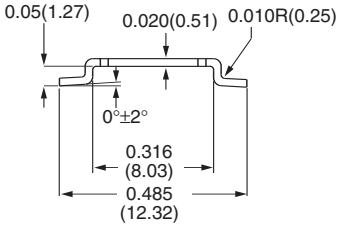


1262T

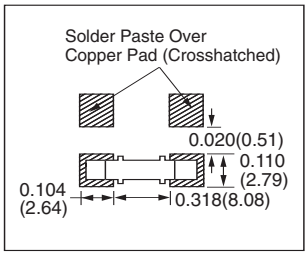


SMT Jumper

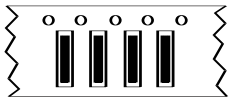




Recommended Pad Geometry



Loose Part No.	1179	1179T
Reeled Part No.	6179	N/A
Material Thickness Type	0.020" (0.50mm) Copper	0.020" (0.50mm) Copper
Standard Finish	100% Tin over Copper	
Feeder System	Surf-Shooter SMT – Continuous Strip	Standard 24mm Tape Feeder



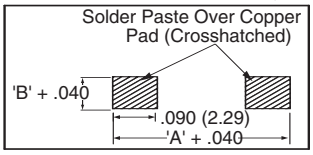
Also available in
Carrier Tape (1179T)

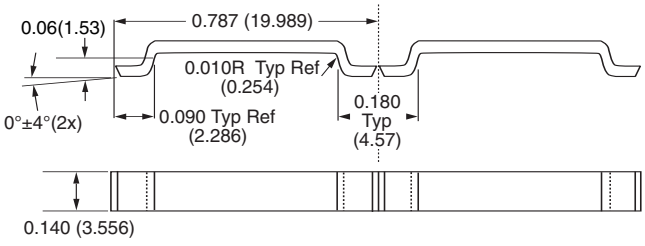
U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

SMT (Variable Size) Jumper

Recommended Pad Geometry



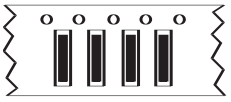


No additional charge for any other length jumper up to 2".
Standard width for all lengths is 0.140".
Consult factory for other widths and for feeder.

Standard Reeled Part No.	6233-AAAA-140
Other Reeled Part No.	6233-AAAA-BBB
Material Thickness/ Type	0.020" (0.50mm) Copper
Standard Finish	100% Tin Over Copper
Feeder System	Standard 24mm Tape Feeder

	Dim 'A'	Dim 'B'	Corres. part no.
Minimum	0.300" (7.62mm)	0.075" (1.91mm)	6233-300-075
Maximum	1.500" (38.1mm)	0.200" (5.08mm)	6233-1500-200

Where Dimension 'A' = jumper length and Dimension 'B' = jumper width



Also available in
Carrier Tape for 6233-787-140-T

U.S. Patent No. 5,695,348 and other U.S. and international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

Different lengths and widths are available—please consult factory.

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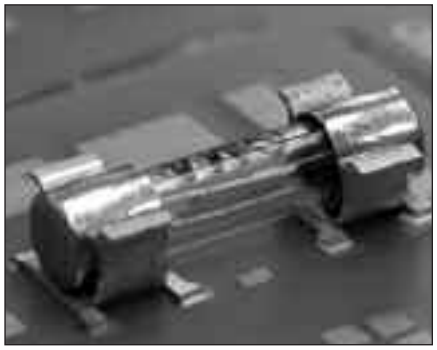
Made in U.S.A.

Surface Mount Box Receptacles provide placement flexibility to suit a variety of applications.

Zierick's versatile Universal Tab Receptacles and SMT clips are all designed for maximum durability and stability.



Zierick's family of SMT receptacles provides a range of options designed to lower manufacturing costs, simplify assembly, and increase productivity. In addition to Standard Receptacles, Zierick recently expanded its product line with Surface Mount Box Receptacles, increasing your options for flexibility and compatibility.

Standard Surface Mount Receptacles:

- The 1237 top-entry Universal Tab Receptacle
- The 1238 bottom-entry Universal Tab Receptacle

Both Standard Receptacles accommodate a mating terminal size of 0.025" (0.64mm) to 0.032" (0.81mm) thickness. The receptacles will tolerate a lateral misalignment of ±0.012" (0.30mm), and an angular misalignment of ±10°. Constructed of brass, the receptacles have a material thickness of 0.016" (0.41mm) and have a standard finish of 100% tin over copper.

Surface Mount Box Receptacles:

- The 1266, which accepts top-entry or an alternative bottom-entry to mate with a through-board pin
- The 1277 accepts top- or bottom-entry, and can be placed in either vertical or horizontal position
- The 1262, which offers traditional placement, and can be placed upside-down for bottom-entry. A special version of this terminal can be used in a wire gripper application to grip and hold a 14 AWG wire

The flexibility of these receptacles provides a number of important benefits in addition to placement and entry options. A small footprint and low insertion force ensure efficiency of use. Twelve or more available mating cycles increase productivity in demanding environments. Continuous reel production eliminates time-consuming hand placement and expensive fixturing by utilizing the Surf-Shooter SMT Feeder and existing placement systems.

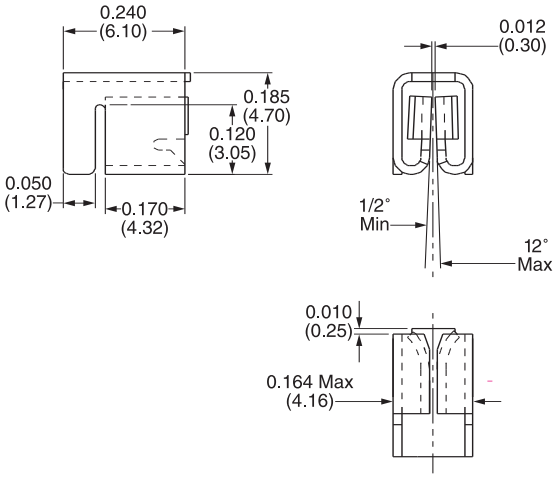
Zierick's innovative surface mount technology ensures reliable mounting on all of our receptacles.

Surface Mount Clips

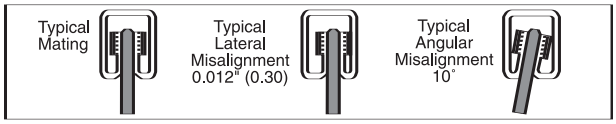
Zierick's SMT Receptacle family of products also includes SMT Clips — A versatile line of receptacles with Surf-Shooter SMT continuous strip compatibility.

The Snap-In Fuse Clip employs a spring-loaded mounting leg, and is proven to display increased retention, strength, and durability while withstanding side loading and rough PCB handling. Both Snap-In and Standard Fuse Clips are available in loose-piece format — with or without integral fuse stops — for 1/4" (6.35mm) and 0.197" (5mm) cylindrical fuse styles.

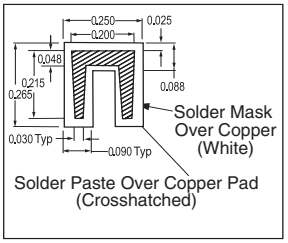
SMT Top- or Horizontal-Entry Universal Tab Receptacle

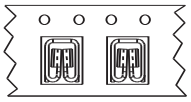


Loose Part No.	1237	1237T
Mating Terminal Size	0.025" (0.64mm) to 0.032" (0.81mm) thick	
Material Thickness/ Type	0.016" (0.41mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	Consult factory for Surf-Shooter SMT and continuous strip P/N 6237	



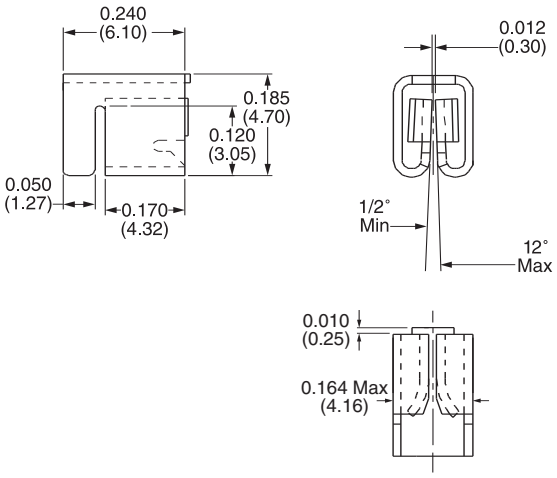
Recommended Pad Geometry



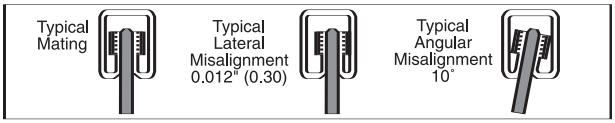


Also available in Carrier Tape (1237T) (for 16mm Tape Feeder)

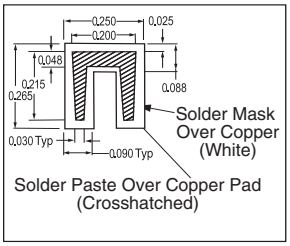
SMT Bottom- or Horizontal-Entry Universal Tab Receptacle

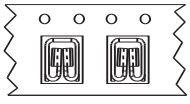


Loose Part No.	1238	1238T
Mating Terminal Size	0.025" (0.64mm) to 0.032" (0.81mm) thick	
Material Thickness/ Type	0.016" (0.41mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	Consult factory for Surf-Shooter SMT and continuous strip P/N 6238	



Recommended Pad Geometry





Also available in Carrier Tape (1238T) (for 16mm Tape Feeder)

PRINT MODIFIED *for* PN 1238, 1238T
See www.zierick.com/pages/sm_botentrec.php.

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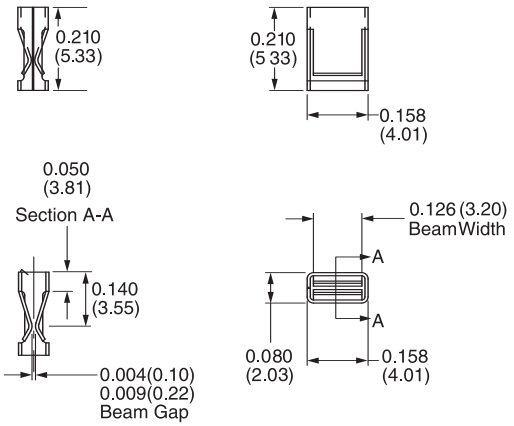
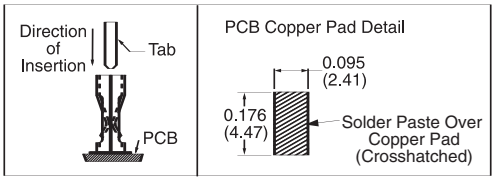
SMT Dual Entry Box Receptacle

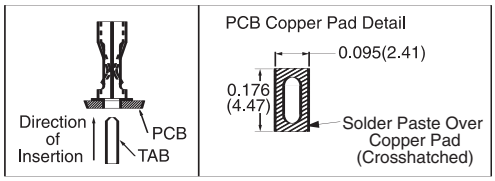


Loose Part No.	1266
Reeled Part No.	6266
Mating Terminal Size	0.020" (0.51mm) to 0.032" (0.81mm) thick
Material Thickness/ Type	0.008" (0.20mm) Phosphor Bronze
Standard Finish	100% Tin over Copper
Feeder System	Surf-Shooter SMT – Continuous Strip

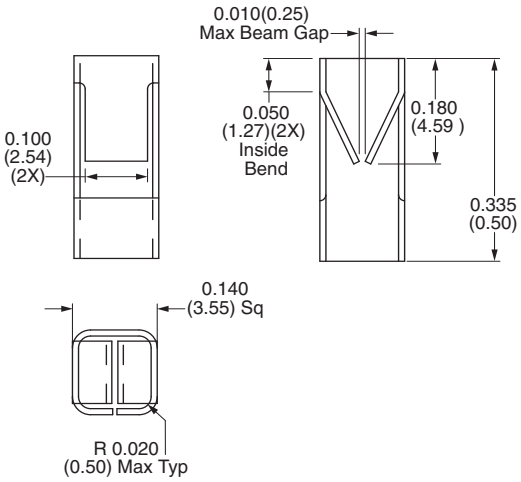
Top-Entry Illustration



Bottom-Entry Illustration

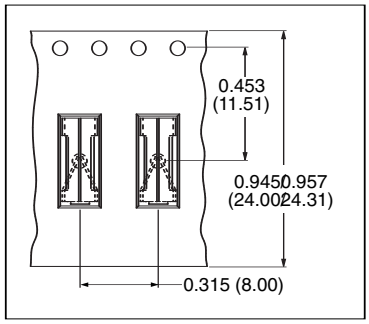


SMT Top- or Bottom-Entry Box Receptacle

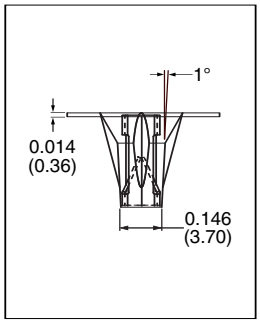


Loose Part No.	1262	
Reeled Part No.	6262	
Taped Part No.	1262T	1262TH
Mating Terminal Size	0.025" (0.64mm) square or 0.032" (0.81mm) round pin	
Material Thickness/ Type	0.008" (0.20mm) Phosphor Bronze	
Standard Finish	100% Tin over Copper	
Feeder System	Surf-Shooter SMT – Continuous Strip Standard 12mm Tape Feeder	

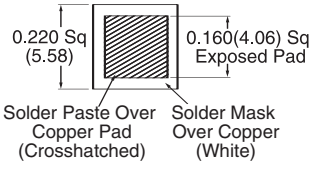
1262TH



1262T

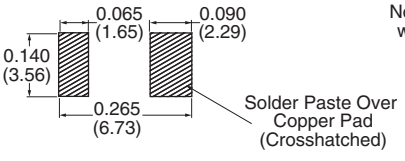


Suggested Copper Pad Layout for Vertical Mount



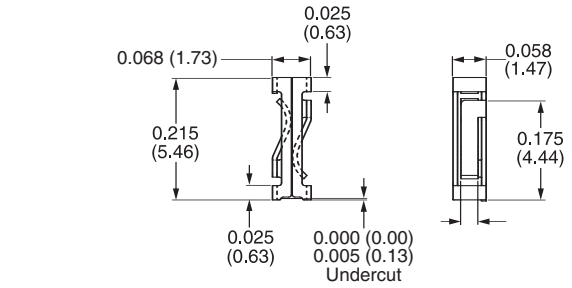
Suggested Solder Paste Thickness to be 0.008 (0.20) Inch Thick

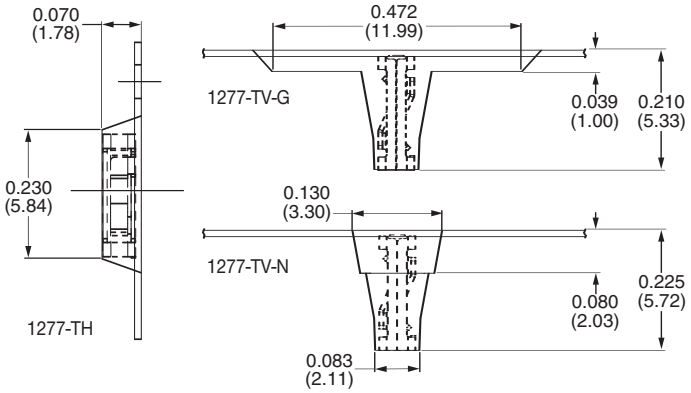
Suggested Copper Pad Layout for Horizontal Mount



Note: Reflow part with seam down

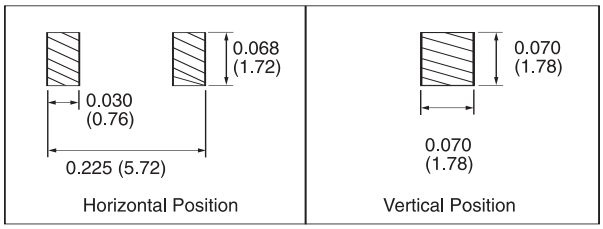
SMT Vertical or Horizontal Box Receptacle



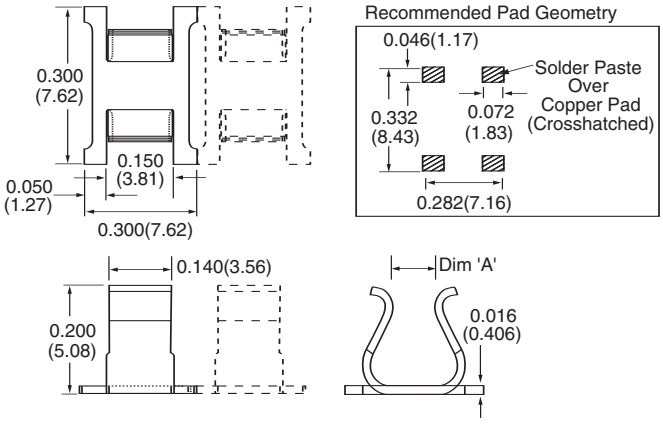


Loose Part No.	1277
Reeled Part No.	6277
Taped Part No.	1277-TH for Horizontal Placement 1277-TV-G for Gripper Pick-Up 1277-TV-N for Nozzle Pick-Up
Mating Terminal Size	0.025" (0.64mm) square or round pin
Material Thickness/ Type	0.008" (0.20mm) Phosphor Bronze
Standard Finish	100% Tin over Copper
Feeder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

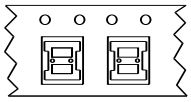
Recommended SMT Pad Geometry



SMT Clips



	5mm Fuse Clip		Connector	
Loose Part No.	1230	1230T	1184	1184T
Reeled Part No.	6230		6184	
Dim 'A'	0.165" (4.19mm)		0.090" (2.29mm)	
Material Thickness/ Type	0.016" (0.40mm) Phosphor Bronze			
Standard Finish	100% Tin over Copper			
Feeder System	Surf Shooter SMT – Continuous Strip			



Also available in
Carrier Tape (1230T or 1184T)
(for 16mm Tape Feeder)

PRINT MODIFIED *for* PN 1230, 1230T, 6230, 1184, 1184T, 6184
See www.zierick.com/pages/sm_clips_1230.php.

5,695,348 and other U.S. and international patents
ations and available special finishes, see Finish Table (page 106).

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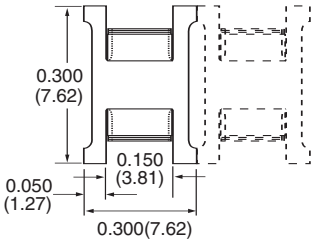
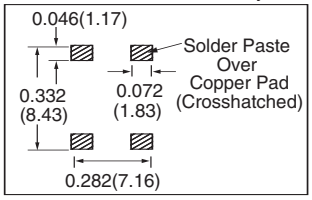
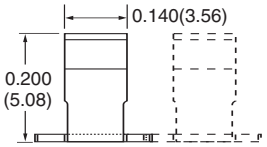
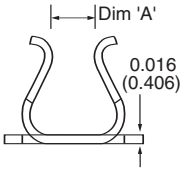
5mm Round Fuse Receptacles



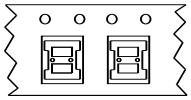
Recommended Pad Geometry







Loose Part No.	1230	1230T
Reeled Part No.	6230	
Dim 'A'	0.165" (4.19mm)	
Material Thickness/ Type	0.016" (0.40mm) Phosphor Bronze	
Standard Finish	100% Tin over Copper	
Feeder System	Surf Shooter SMT – Continuous Strip	



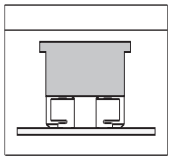
Also available in
Carrier Tape (1230T)
(for 16mm Tape Feeder)

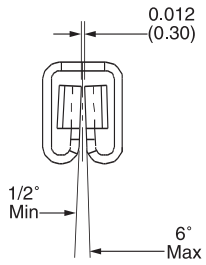
PRINT MODIFIED *for* PN 1230, 1230T, 6230
See www.zierick.com/pages/sm_clips_1230.php.

U.S. Patent No. 5,695,348 and other U.S. and international patents
For exact finish specifications and available special finishes, see Finish Table (page 106).

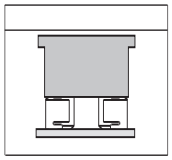
Auto Fuse Receptacle

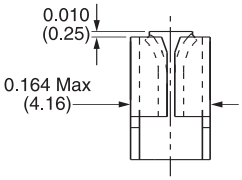
Optional use as
mini-fuse holder



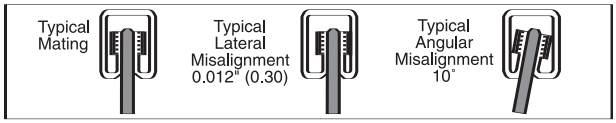


Optional use as ATC
(Auto) fuse holder

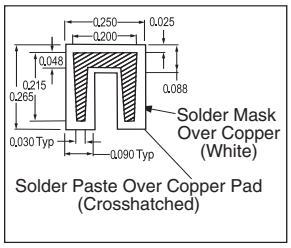


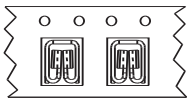


Loose Part No.	1237	1237T
Mating Terminal Size	0.025" (0.64mm) to 0.032" (0.81mm) thick	
Material Thickness/ Type	0.016" (0.41mm) Brass	
Standard Finish	100% Tin over Copper	
Feeder System	Consult factory for Surf-Shooter SMT and continuous strip P/N 6237	



Recommended Pad Geometry





Also available in
Carrier Tape (1237T)
(for 16mm Tape Feeder)

PRINT MODIFIED *for* PN 1237, 1237T
See www.zierick.com/pages/sm_autofuse.php.

SMT Bottom Entry, Through-Board Socket

As part of the SMT Receptacle line of products, Zierick's SMT Socket delivers high performance, flexibility, and a number of other benefits, all in an extremely compact size for a through-board socket.

Designed to handle high current ratings — up to 7 amps — this small footprint, low profile receptacle delivers significant reliability for surface mount application needs.

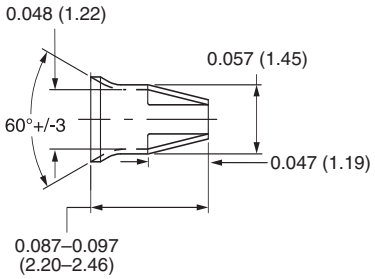
Another primary benefit of the SMT Socket is its flexibility. Its superior capacity accommodates either a power or signal connection. With the ability to handle a high number of mating cycles, it is ideal for demanding production environments and high density applications.

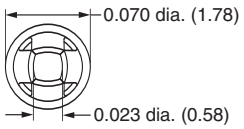
The SMT Socket's versatility is also demonstrated through its compatibility. Mating pin sizes for the SMT Socket include 0.025" square and 0.027" to 0.032" diameter round pins. The material is 0.005" thick beryllium copper with a bright tin finish.

The SMT Socket is available in tape and reel, allowing the use of a standard pick-and-place tape feeder, and taking advantage of Zierick's ability to provide quality parts in a standard taped pocket format. The socket is also available in bulk.

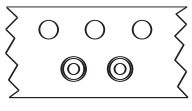
The SMT Socket 1260 offers a bottom-entry, through-board connection with a small footprint and the ability to handle high current ratings—up to 7 amps.

SMT Bottom Entry, Through-Board Socket

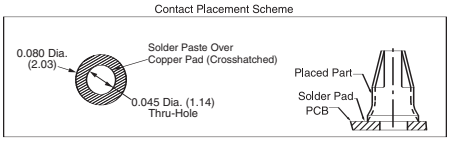




Loose Part No.	1260
Taped Part No.	1260T
Mating Pin Size	0.025" (0.64mm) Square or 0.025" (0.64mm) to 0.032" (0.81mm) Dia Round Pins
Material Thickness/ Type	0.005" (0.13mm) Beryllium Copper
Standard Finish	Bright Tin over Copper
Feeder System	Standard Tape Feeder for Taped Parts



Also available in
Carrier Tape (1260T)
(for 16mm Tape Feeder)



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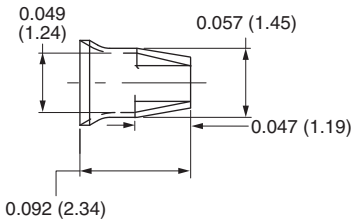
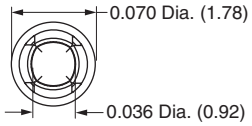
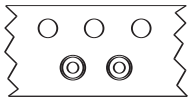
SMT Bottom Entry, Through-Board Socket



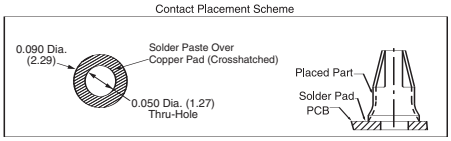


Loose Part No.	1280
Taped Part No.	1280T
Mating Pin Size	0.038–0.044" (0.97–1.12mm) Dia Round Pins
Material Thickness/ Type	0.005" (0.13mm) Beryllium Copper
Standard Finish	Bright Tin over Copper
Feeder System	Standard Tape Feeder for Taped Parts

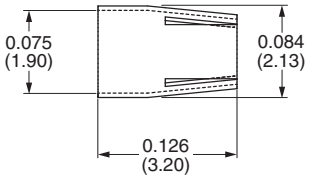


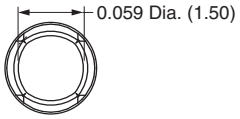
Also available in
Carrier Tape (1280T)
(for 16mm Tape Feeder)

Contact Placement Scheme

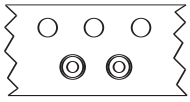


SMT Bottom Entry, Through-Board Socket



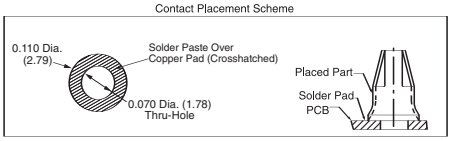


Loose Part No.	1279
Taped Part No.	1279T
Mating Pin Size	0.062–0.066" (1.57–1.68mm) Dia Round Pins
Material Thickness/ Type	0.005" (0.13mm) Beryllium Copper
Standard Finish	Bright Tin over Copper
Feeder System	Standard Tape Feeder for Taped Parts



Also available in
Carrier Tape (1279T)
(for 16mm Tape Feeder)

Contact Placement Scheme



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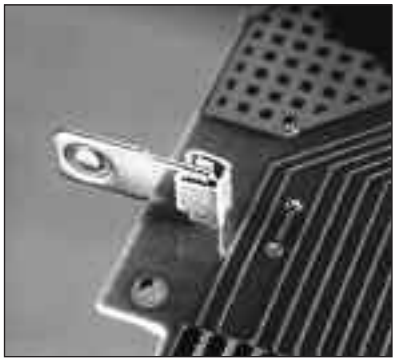
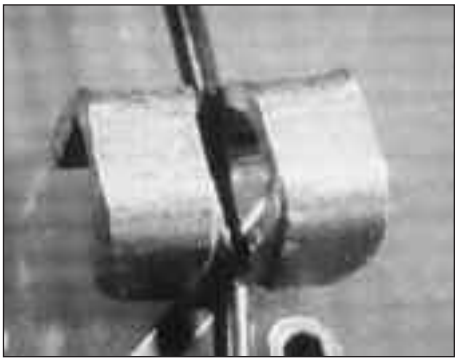
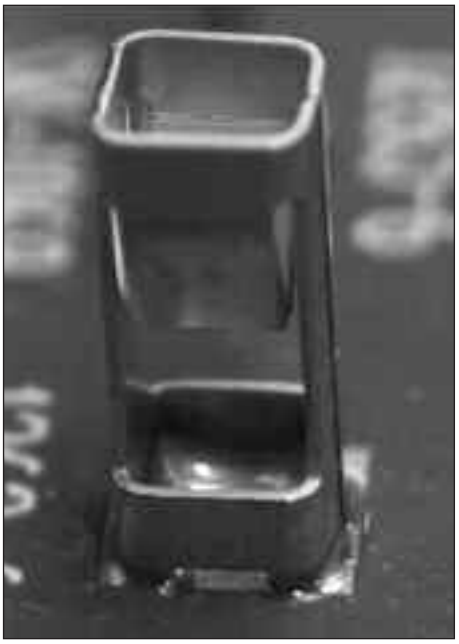
Top Left: These Universal Tab Receptacles mate with a range of tabs from .025" to .032" thick and widths from .062" wide and larger. They have low insertion forces and are forgiving for mating misalignment.



Top Right: Zierick's Through-Hole Insulation Displacement Connector has a built-in wire strain relief which prevents wire motion from transmitting to the contact interface.



Bottom Right: The SMT Box Receptacle mates, top-entry, with a pin from .032" diameter round or square up to .090" round or square, and can also be placed upside down on the board to mate with a through-board pin.



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 family of economically priced High Performance 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 temperatures and heating applications.

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 is required.

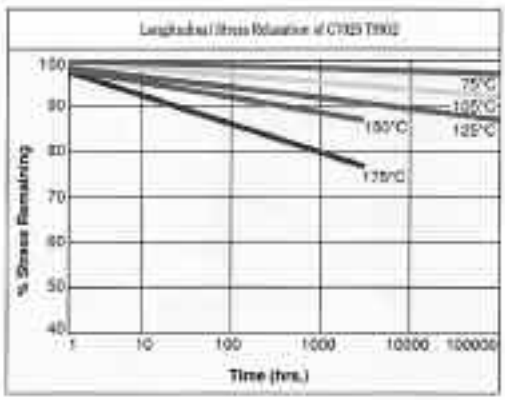
Stress relaxation is a critical inherent property of the material since the spring design feature in many receptacles is needed to maintain reliable connections at elevated temperatures. The tables below illustrate the various physical attributes of Alloy C7025.

All high performance terminals are a special order.
Please call Zierick for more information.

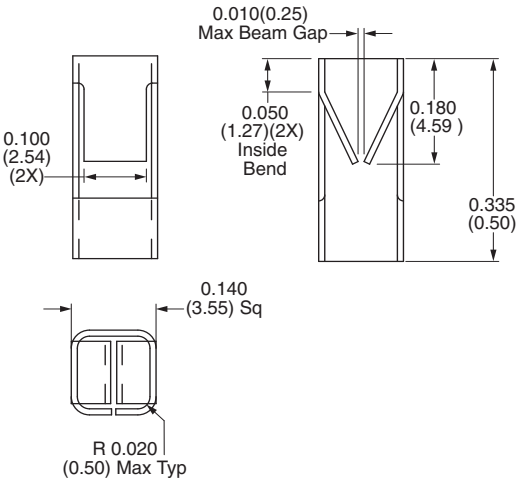
Physical and Engineering Properties of C7025

Physical Properties:	English Units	Metric Units
Melting Point (Liquidus)	2003°F	1095°C
Melting Point (Solidus)	1967°F	1075°C
Density	.318 lbs/in³	8.82 gm/cm³
Thermal Conductivity	85-110 Btu-ft/ft²-hr-°F @ 68° F	0.35-0.45 cal-cm/cm²-sec-°C @ 20°C
Electrical Resistivity	25.9 ohm circ mil/ft @ 68° F	4.3 microhm-cm @ 20°C
Electrical Conductivity		
TR02	40% I.A.C.S. † @ 68°F Min.	0.23 megmho/cm @ 20°C
TM00	40% I.A.C.S. † @ 68°F Min.	0.23 megmho/cm @ 20°C
TM02 & TM02spl	40% I.A.C.S. † @ 68°F Min.	0.23 megmho/cm @ 20°C
TM03	35% I.A.C.S. † @ 68°F Min.	0.20 megmho/cm @ 20°C
TH03	50% I.A.C.S. † @ 68°F Nom.	0.29 megmho/cm @ 20°C
Modulus of Elasticity (Tension)	19,000,000 psi	131 kN/mm²

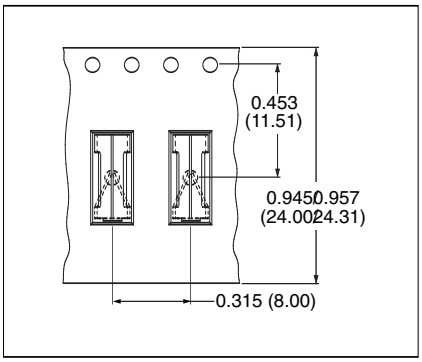
† International Annealed Copper Standard



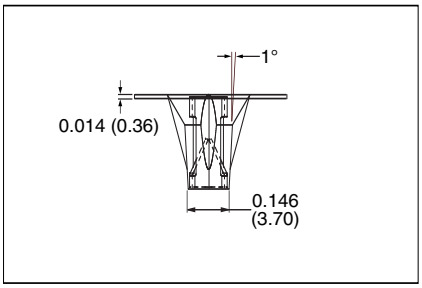
Loose Part No.	Reeled Part No.	Taped Part No.	Mating Terminal Size
1275	6275	1275T 1275TH	0.025" (0.64mm) and 0.032" (0.81mm) Round or Square
Application Data			
Mounting Type	Surface Mount	**Mating Entry**	Top and Bottom
Material Thickness/ Type	0.010 (0.25mm) Alloy C7025	**Applicator System**	Surf Shooter Continuous Strip
Standard FInish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		
Performance Data			
Current Rating	20 Ampere		
Resistance Rating	10mΩ Max		
Temperature Rating	Up to 175°C		



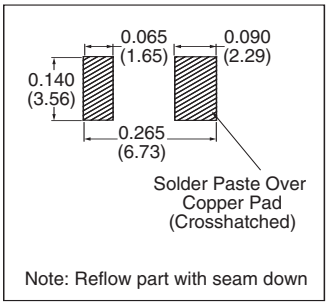
1275TH



1275T

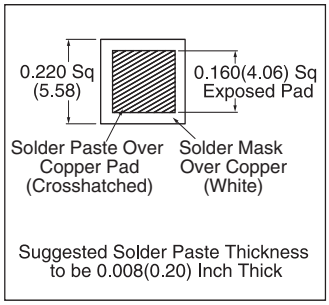


Suggested Copper Pad Layout
for Horizontal Mount



Note: Reflow part with seam down

Suggested Copper Pad Layout
for Vertical Mount



Suggested Solder Paste Thickness
to be 0.008(0.20) Inch Thick

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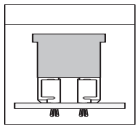
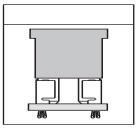
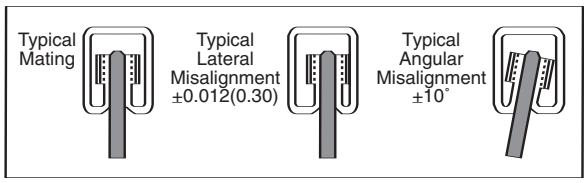
Loose Part No.	Reeled Part No.	Mating Terminal Size
1092-HTA	6092-HTA	0.025" (0.64mm) and 0.032" (0.81mm)
Application I	PNs 1092-HTA / 6092-HTA OBSOLETED	
Mounting Ty		**y** Top and Horizontal
Material Thickness/ Type	0.016" (0.41mm) Alloy C7025	**Applicator System** Loose: ZPT81-1092 Reeled: Model 9700, 9718
Standard FInish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Performance Data		
Current Rating	30 Ampere	
Resistance Rating	10mΩ Max	
Temperature Rating	Up to 175°C	

Optional use as mini-fuse holder

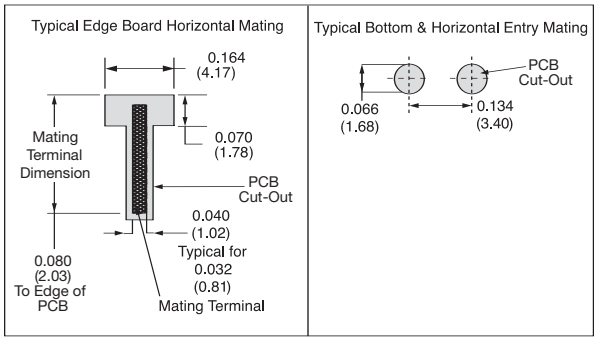


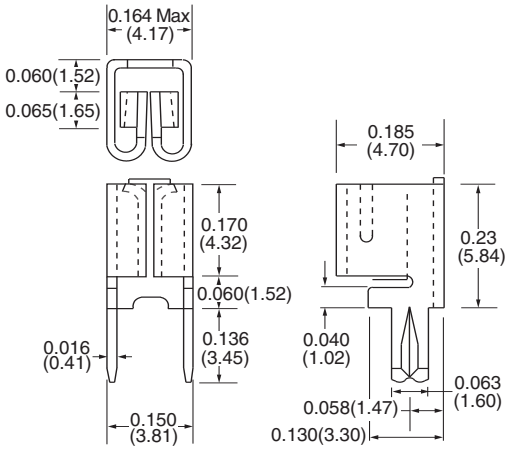
Optional use as ATC (Auto) fuse holder





Typical PCB Mounting





U.S. Patent No. 5,017,159

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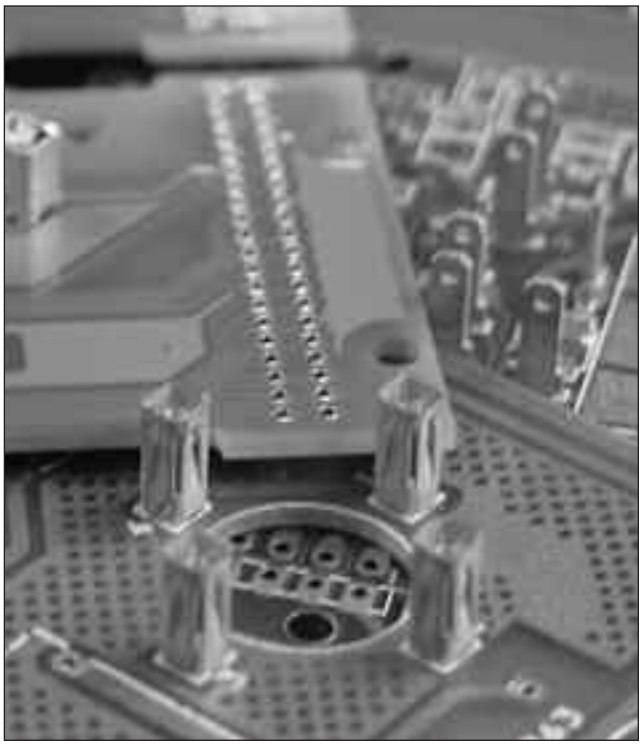
If your annual terminal usage is so low that you cannot justify the purchase of a terminal insertion machine, or if you have a work overload, Zierick has an alternative. We can insert Zierick terminals into your printed circuit board per your individual requirement.

All you have to 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 our standard Quick Disconnect Tabs, Insulation Displacement Connectors, Box Receptacles, Test Point Terminals, Universal Tab Receptacles, Fuse Receptacles, Fuse Clips, Wire Grippers or Posts.

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.

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.

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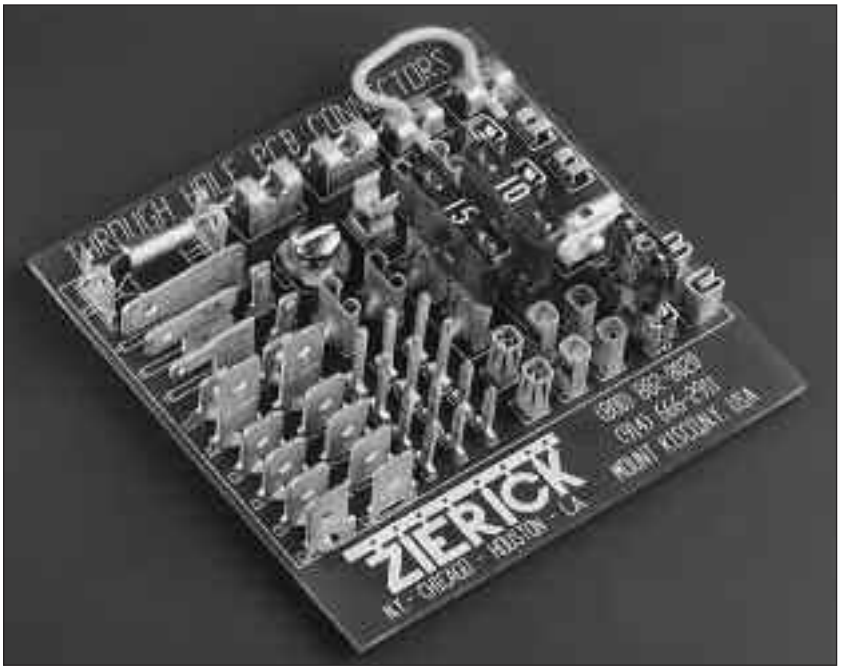
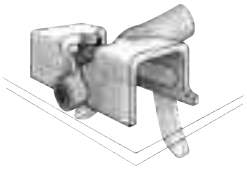


Whether your Through-Hole Technology applications require a Quick Disconnect Tab, an Insulation Displacement Connector, a Test Point Terminal, a Screw Terminal, a Receptacle, a Post, or a Multi-Layer Circuit Board Connector, we can fulfill your needs. Zierick's unique features solve your most difficult interconnection problems.

The Accu-Lok™ mounting ends the need for the tight mounting hole tolerance required with traditional press and compliant fit terminals.

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



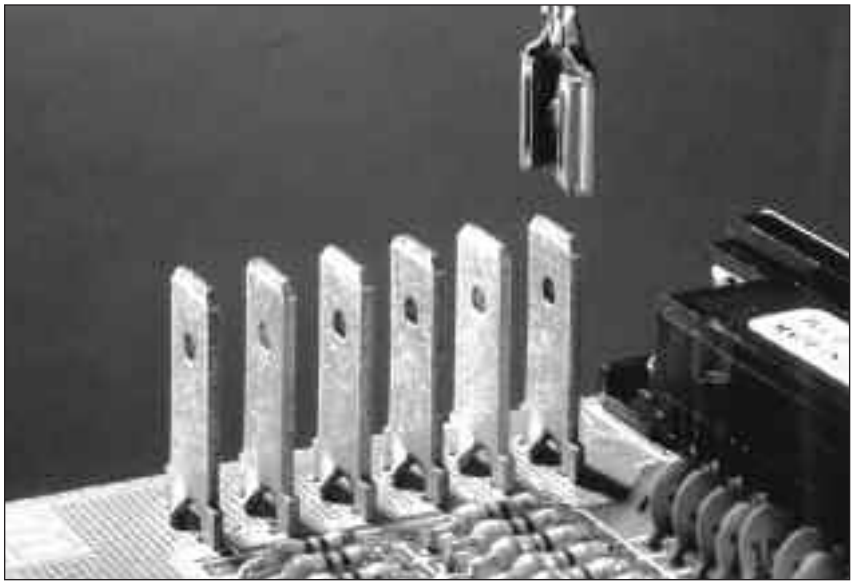
Zierick's Torsion-Lok™ insulation displacement connector (IDC) allows connection and insulation shear in one motion, eliminating pre-stripping.

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

Zierick's TapeResist solder masking technology is a remarkable advancement for PCB assembly as it utilizes pre-applied polyester film as the solder resist agent.

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

Accu-Pak™ PCB mountable receptables are an optimum choice for high quality, reliable PCB-to-PCB, PCB-to-Component and PCB-to-Lead Wire interconnections.



All high performance terminals are a special order.
Please call Zierick for more information.

Only Zierick quick disconnects offer the Stable-Lok™ mounting option, which doubles terminal strength. Stress-free Accu-Lok™ mounting is also available only from Zierick.

Accu-Lok™
U.S. Patent No. 5,017,159

Zierick has increased the reliability of quick disconnect terminals with patented Stable-Lok™ and Accu-Lok™ mounting. Designed to deliver greater terminal mounting strength, these particular unique features are available only from Zierick, and are available on most standard Zierick quick disconnects.

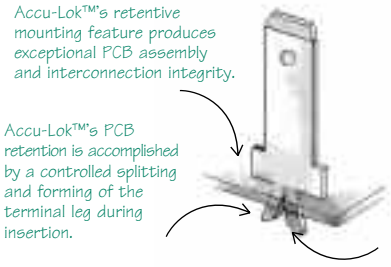
Stable-Lok™ PCB quick disconnects actually double terminal strength against fracture or mounting leg breakage. The Stable-Lok™ concept shifts pivot points to outer mounting areas for a stabilizing resistive torque. Stable-Lok™ terminals are available in 0.187" (4.75mm), 0.205" (5.21mm), and 0.250" (6.35mm) application sizes.

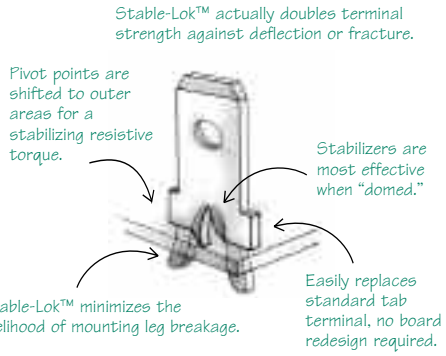
Accu-Lok™ mounting is designed for 0.110" (2.79mm) applications. With Accu-Lok™, PCB retention is not dependent on tight mounting hole tolerances. Instead, the terminal leg enters freely within the hole, with retention accomplished through a controlled splitting and forming of the leg. This eliminates stress and withstands repeated mating, withdrawal, and shock.

Hole diameter tolerances may be as great as ±0.004" (±0.10mm) for either Accu-Lok™ or splay mounting types.

Zierick quick disconnects are manufactured to NEMA, UL, and CSA specifications. They are available in vertical or horizontal configurations, loose or reeled. Assembly can be accomplished with Zierick hand tools or Zierick semi-and fully-automated applicators.

- Zierick quick disconnect terminals are available in 0.110" (2.79mm), 0.187" (4.75mm), 0.205" (5.21mm), and 0.250" (6.35mm) sizes.
- All brass terminals have a copper under plating for improved solderability over time.
- Terminals are available in loose or reeled formats, and in vertical or horizontal configurations.
- Stable-Lok™ and Accu-Lok™ terminals mount securely in holes with a diameter tolerance of ±0.003" (±0.076mm).
- Stable-Lok™ and Accu-Lok™ mounting reduces the instances of fractured or misaligned solder joints.
- Assembly is achieved with Zierick semi- or fully-automatic applicators.





Accu-Lok™ is a trademark of Zierick Manufacturing Corporation and a patented product of Zierick Manufacturing Corporation. U.S. Patent No. 5,017,159.

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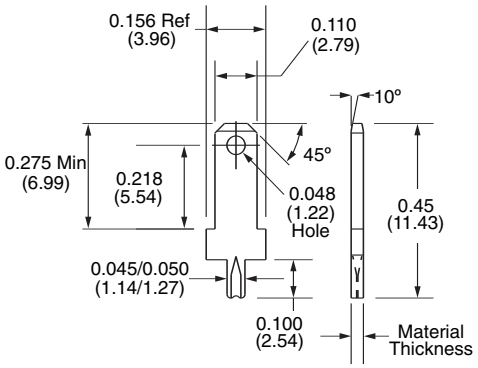
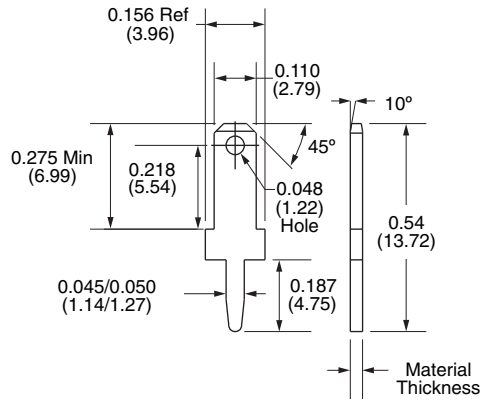


Loose Part No.	1063	1064
Reeled Part No.	6063	6064
Mounting Type	Accu-Lok™ Splay	Accu-Lok™ Splay
Material Thickness/ Type	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Mounting Hole Diameter	0.055" ±0.003" (1.40mm ±0.076mm)	0.061"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

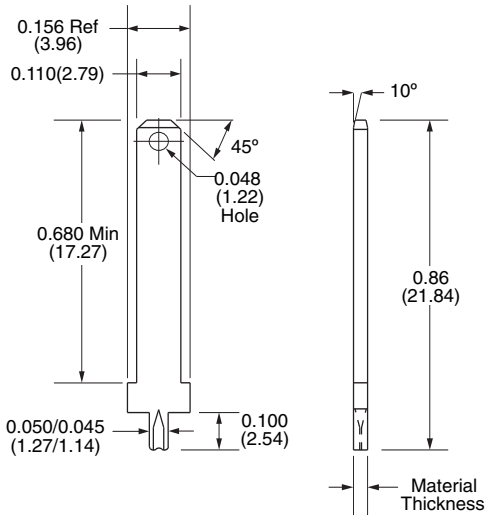
U.S. Patent No. 5,017,159

For exact finish specifications and available special finishes, see Finish Table (page 106).



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" ±0.003" (1.12mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).

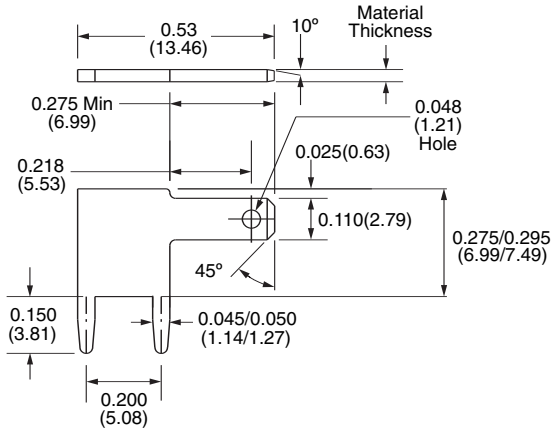


Loose Part No.	1201
Reeled Part No.	6201
Mounting Type	Accu-Lok™ Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.055" ±0.003" (1.40mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: 9700, 9700 XY

U.S. Patent No. 5,017,159

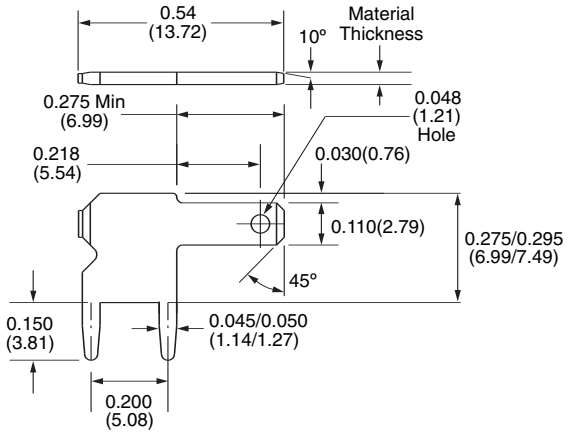
For exact finish specifications and available special finishes, see Finish Table (page 106).

0.110" (2.79mm) Tabs / Quick Disconnect Terminals



Loose Part No.	948	949
Reeled Part No.	(See Below)	(See Below)
Mounting Type	Outward or Inward Splay	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass	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 ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Loose: ZPT92-110	

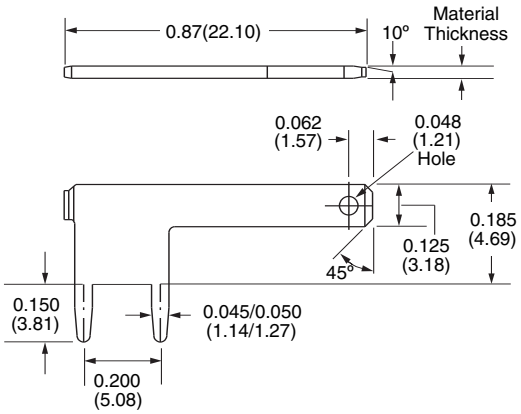
For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	N/A	N/A
Reeled Part No.	6948	6949
Mounting Type	Outward or Inward Splay	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 ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).

0.125" (3.18mm) Tabs / Quick Disconnect Terminals



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	100% Tin over Copper
Mounting Hole Diameter	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).

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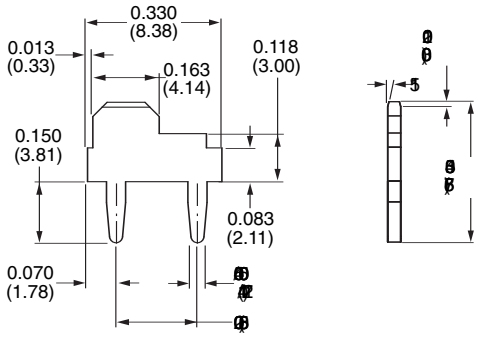
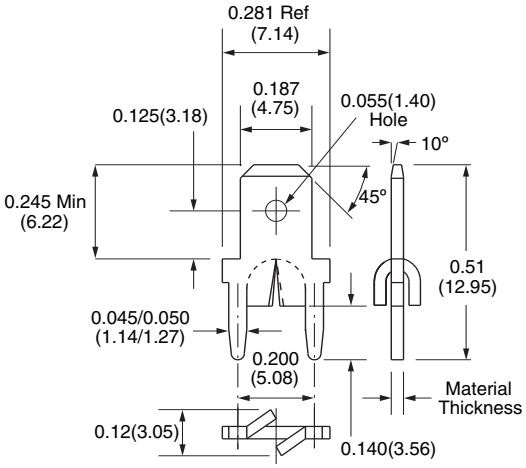
0.163" (4.14mm) Tabs / Quick Disconnect Terminals



Loose Part No.	N/A
Reeled Part No.	6267
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 ±0.076mm)
Applicator System	Model 9700, 9700 XY

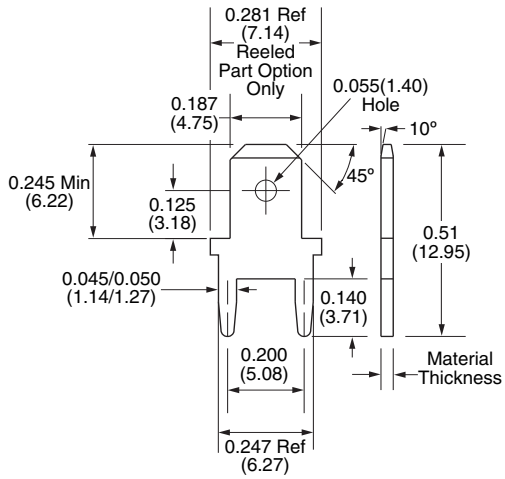
For exact finish specifications and available special finishes, see Finish Table (page 106).

0.187" (4.75mm) Tabs / Quick Disconnect Terminals



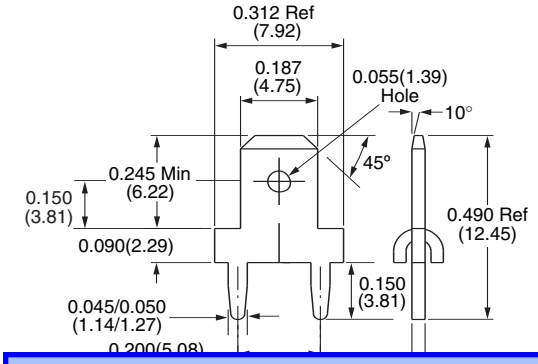
Loose Part No.	1027	1024
Reeled Part No.	6027	6024
Mounting Type	Stable-Lok™ Splay Outward or Inward	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Mounting Hole Diameter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

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	895	894
Reeled Part No.	6895	6894
Mounting Type	Outward or Inward Splay	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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY	

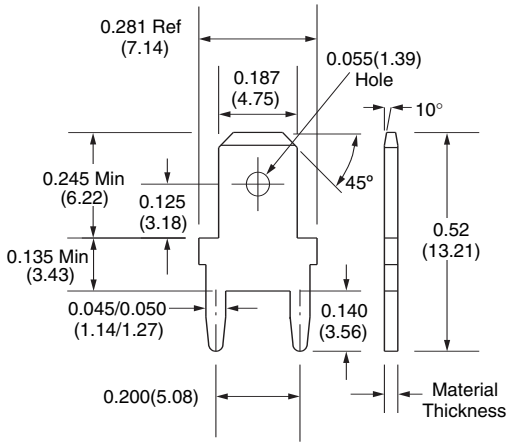
For exact finish specifications and available special finishes, see Finish Table (page 106).



PRINT MODIFIED *for* PN 6282
See www.zierick.com/pages/th_qd_187_6282.php.

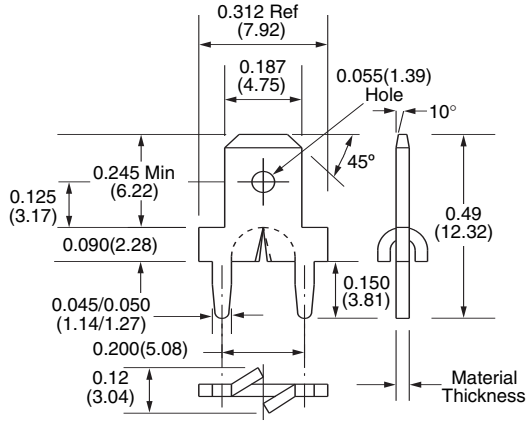
Loose Part No.	N/A
Reeled Part No.	6282
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



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

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	N/A	1141
Reeled Part No.	6140	6141
Mounting Type	Stable-Lok™ Splay Outward or Inward	Stable-Lok™ Splay Outward or Inward
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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).

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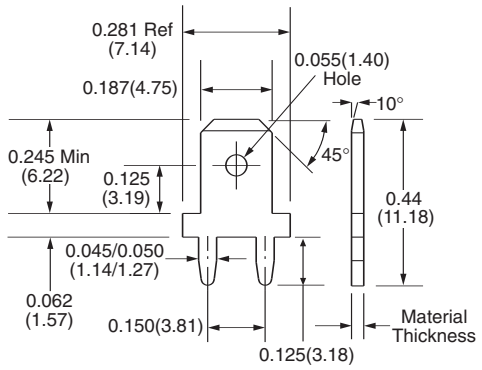
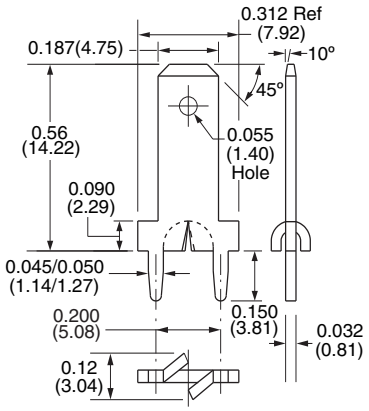


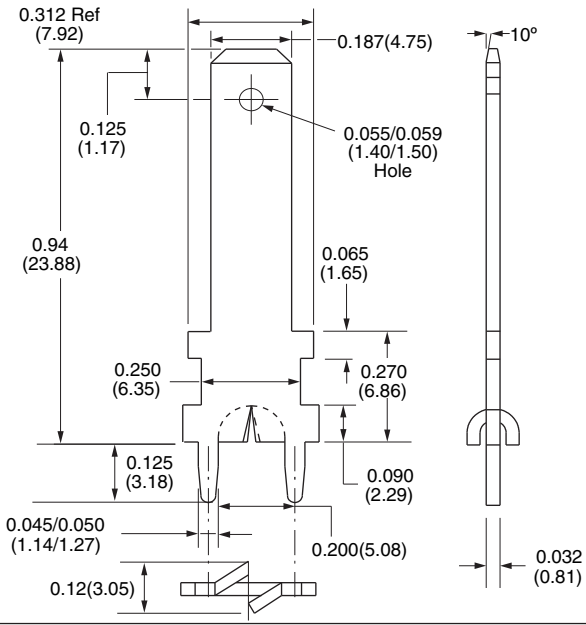
Loose Part No.	N/A	1077
Reeled Part No.	6078	6077
Mounting Type	Outward or Inward Splay	Outward or Inward Splay
Material Thickness/ Type	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Mounting Hole Diameter	0.050" ±0.003" (1.27mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).



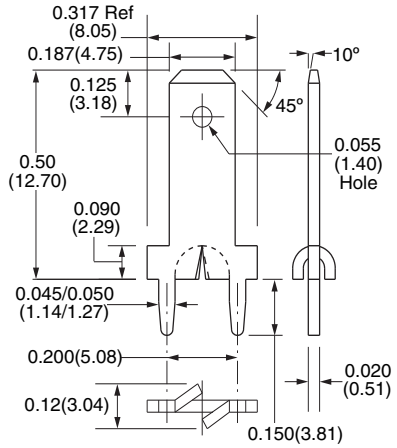
Loose Part No.	1042
Reeled Part No.	6042
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



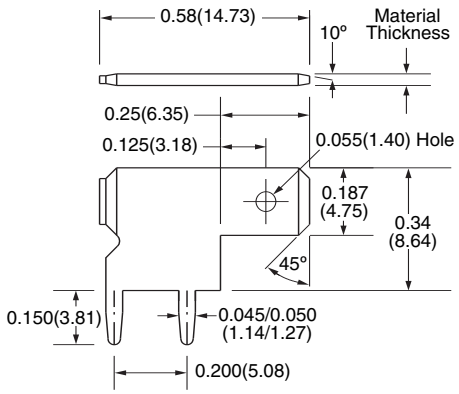
Loose Part No.	1172
Reeled Part No.	6172
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: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

For exact finish specifications and available special finishes, see Finish Table (page 106).



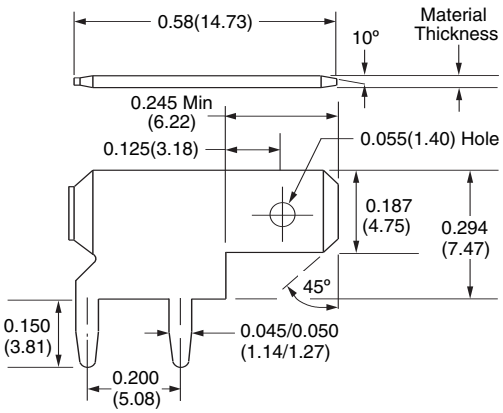
Loose Part No.	1166
Reeled Part No.	6166
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	(See Below)	(See Below)
Reeled Part No.	6956	6957
Mounting Type	Outward or Inward Splay	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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	N/A	N/A
Reeled Part No.	6148	6149
Mounting Type	Outward or Inward Splay	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass	0.020" (0.51mm) Brass
Standard Finish	Reeled: 100% Tin over Copper	
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Loose: ZPT92-187 Reeled: Model 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).

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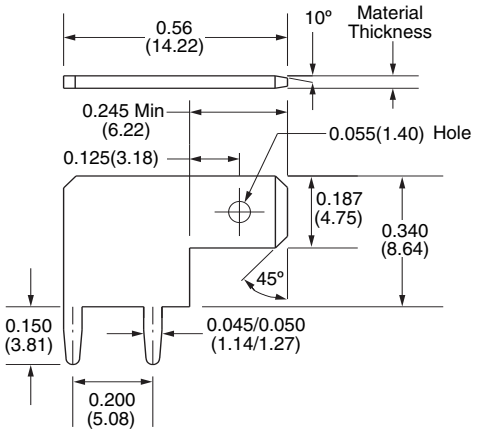
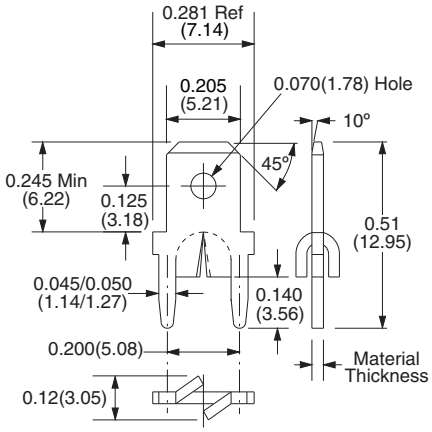
0.187" (4.75mm) Tabs / Quick Disconnect Terminals



Loose Part No.	956/956-No Hole	957
Mounting Type	Outward or Inward Splay	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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT92-187	

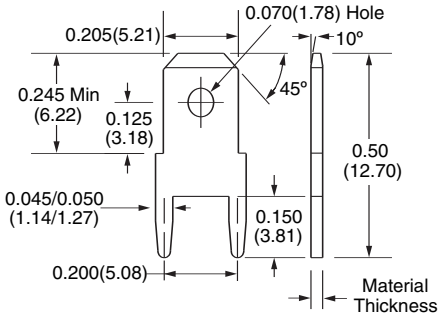
For exact finish specifications and available special finishes, see Finish Table (page 106).

0.205" (5.21mm) Tabs / Quick Disconnect Terminals



Loose Part No.	1066	1065
Reeled Part No.	6066	6065
Mounting Type	Stable-Lok™ Splay Outward or Inward	
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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY	

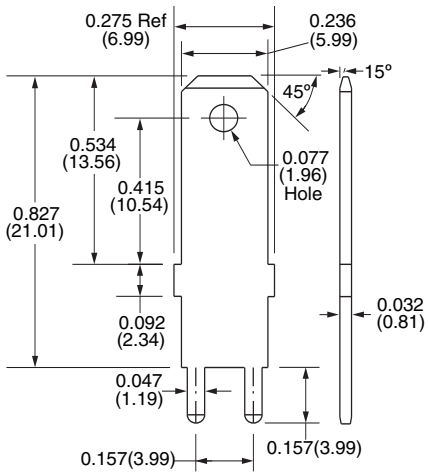
For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	893	892
Reeled Part No.	N/A	N/A
Mounting Type	Outward or Inward Splay	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 ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A	

For exact finish specifications and available special finishes, see Finish Table (page 106).

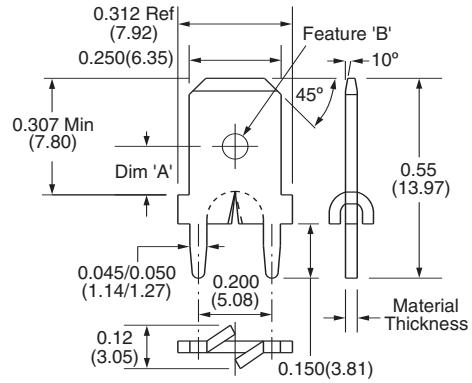
0.236" (5.99mm) Tabs / Quick Disconnect Terminals



Loose Part No.	1115
Reeled Part No.	6115
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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

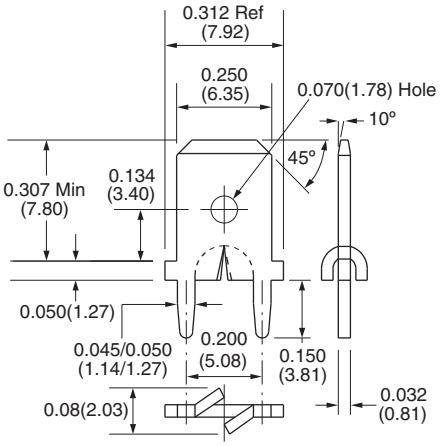
For exact finish specifications and available special finishes, see Finish Table (page 106).

0.250" (6.35mm) Tabs / Quick Disconnect Terminals



Loose Part No.	1021	1198
Reeled Part No.	6021	6198
Feature 'B'	0.070" (1.78mm) Hole	0.070" (1.78mm) Dimple
Dim 'A'	0.134" (3.40mm)	0.160" (4.06mm)
Mounting Type	Stable-Lok™ Splay Outward or Inward	
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 ±0.076mm)	
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1061
Reeled Part No.	6061
Mounting Type	Stable-Lok™ Splay Outward or Inward
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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).

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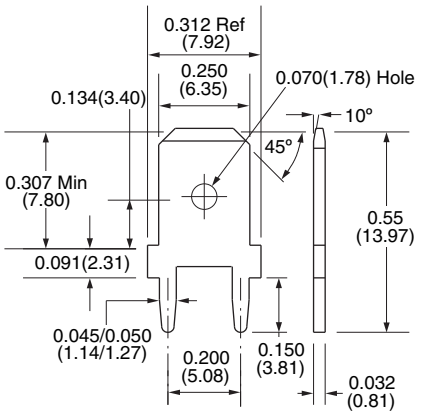
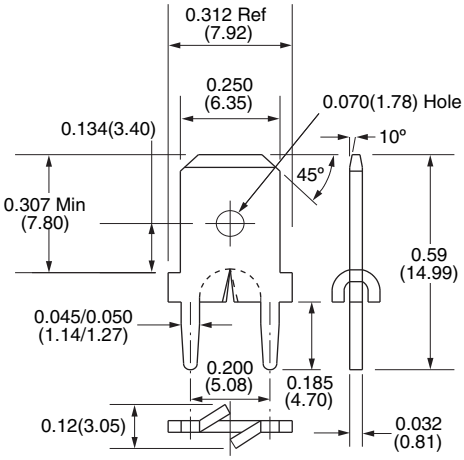


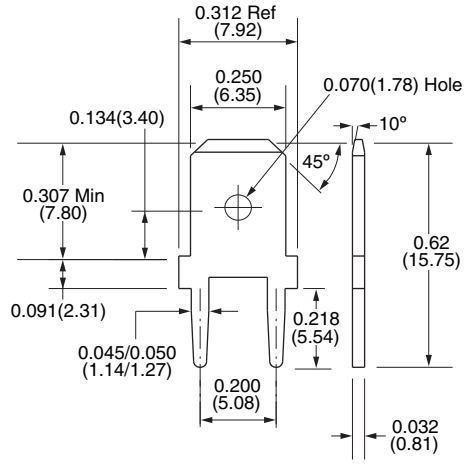
Loose Part No.	836	836-Tape
Reeled Part No.	6836	
Mounting Type	Outward or Inward Splay	
Material Thickness/ Type	0.032" (0.81mm) Brass	
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)	
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY, 9718	

For exact finish specifications and available special finishes, see Finish Table (page 106).



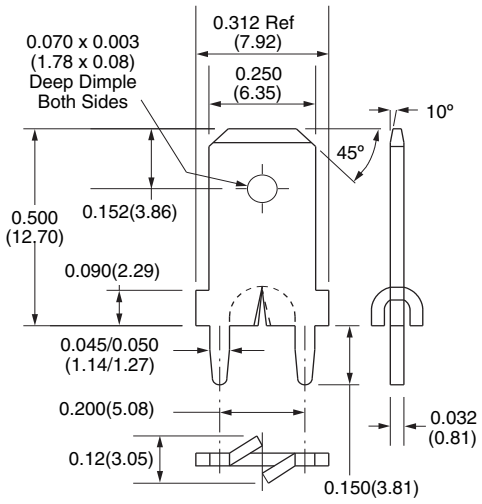
Loose Part No.	1060
Reeled Part No.	6060
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



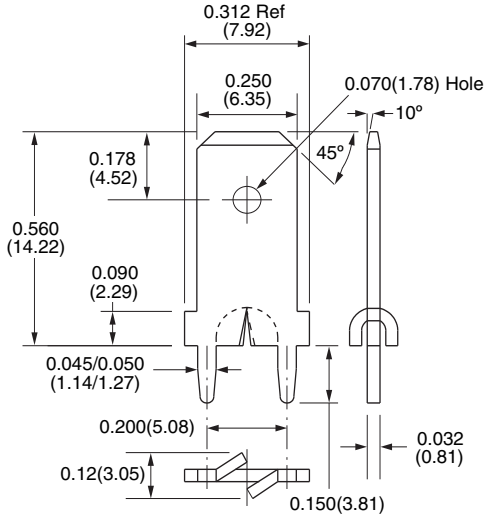
Loose Part No.	906
Reeled Part No.	N/A
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A

For exact finish specifications and available special finishes, see Finish Table (page 106).



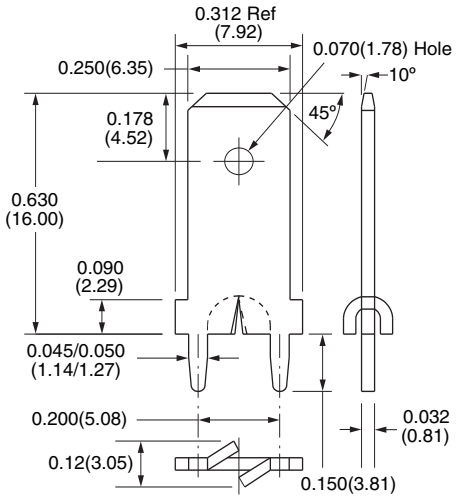
Loose Part No.	1045
Reeled Part No.	6045
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1041
Reeled Part No.	6041
Mounting Type	Stable-Lok™ Splay Outward or Inward
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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1057
Reeled Part No.	6057
Mounting Type	Stable-Lok™ Splay Outward or Inward
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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).

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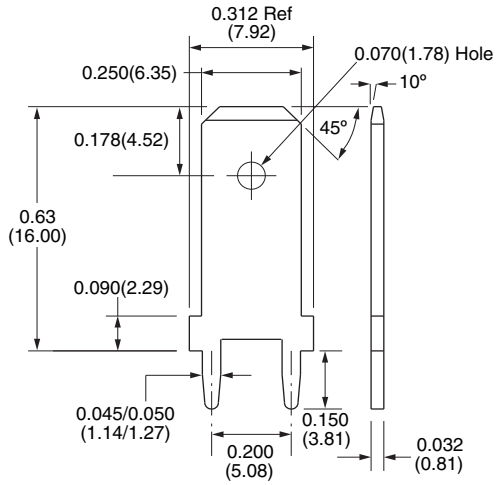
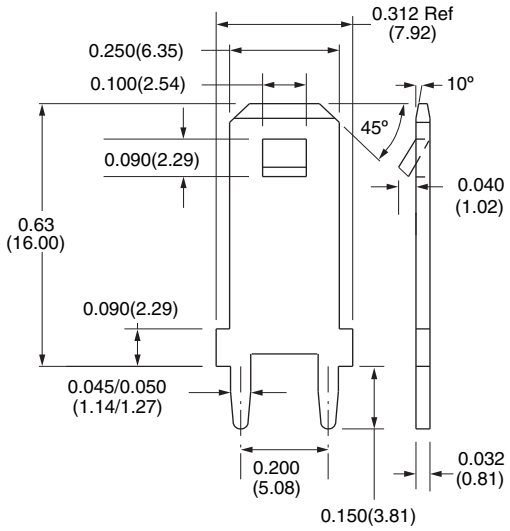


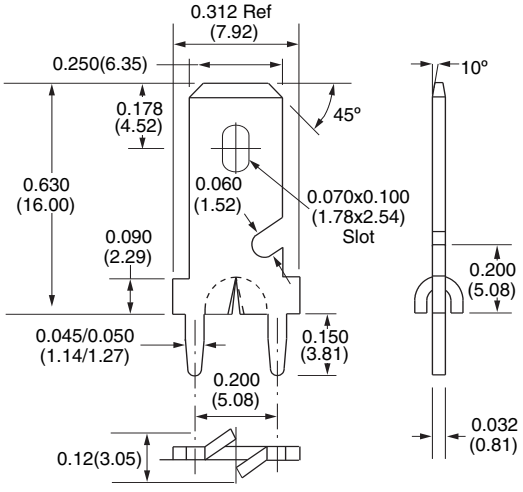
Loose Part No.	972
Reeled Part No.	6224
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



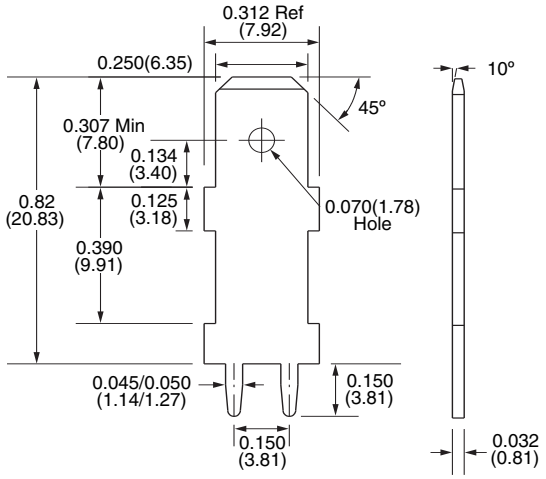
Loose Part No.	972-TAB
Reeled Part No.	N/A
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A

For exact finish specifications and available special finishes, see Finish Table (page 106).



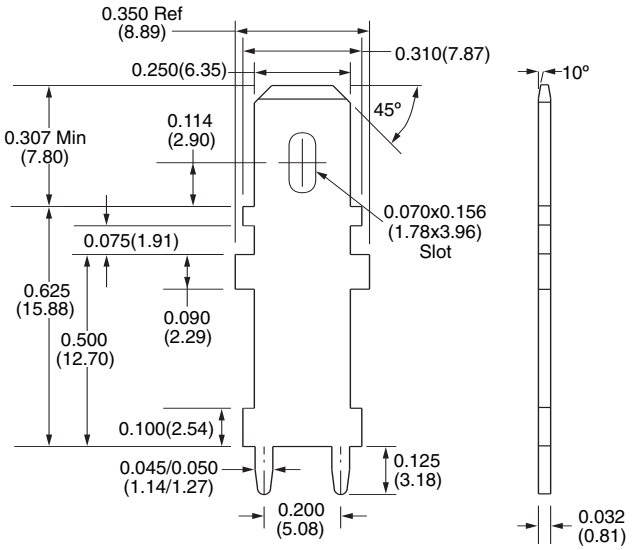
Loose Part No.	N/A
Reeled Part No.	6212
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 7000, 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



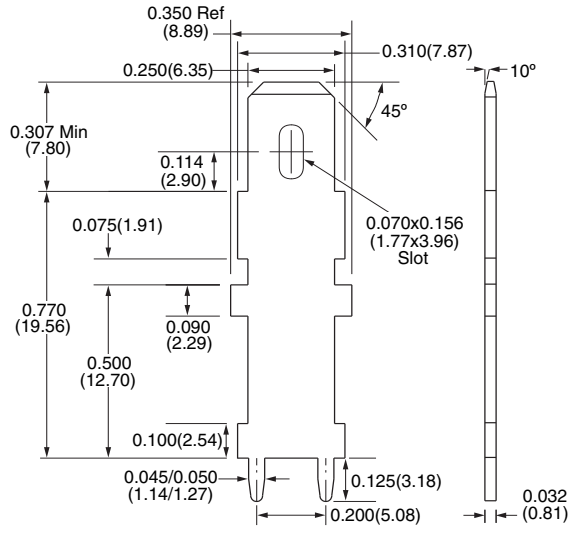
Loose Part No.	953-MOD
Reeled Part No.	N/A
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A

For exact finish specifications and available special finishes, see Finish Table (page 106).



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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



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 ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).

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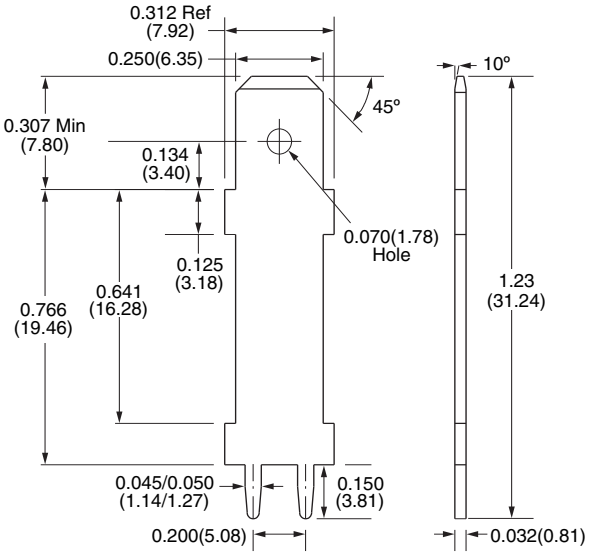
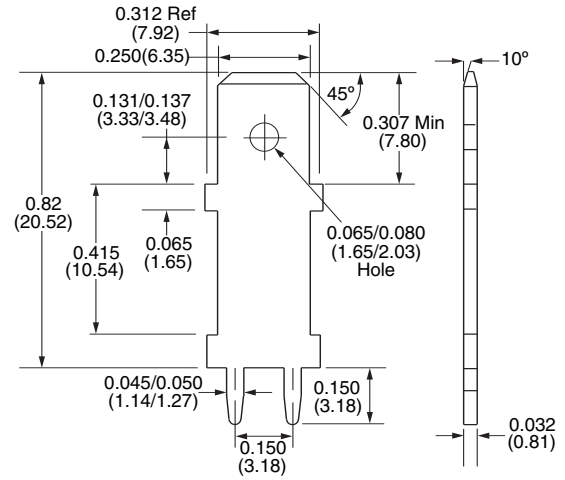


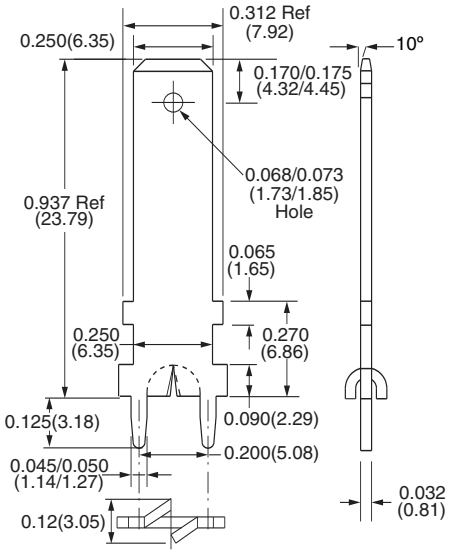
Loose Part No.	953
Reeled Part No.	N/A
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A

For exact finish specifications and available special finishes, see Finish Table (page 106).



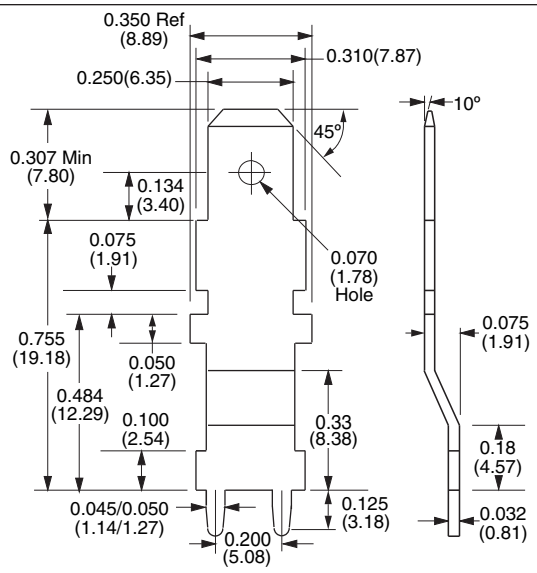
Loose Part No.	N/A
Reeled Part No.	6110
Mounting Type	Outward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY

For exact finish specifications and available special finishes, see Finish Table (page 106).



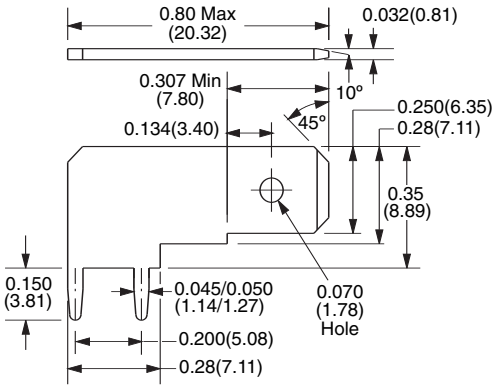
Loose Part No.	1173
Reeled Part No.	6173
Mounting Type	Stable Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-A Reeled: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

For exact finish specifications and available special finishes, see Finish Table (page 106).



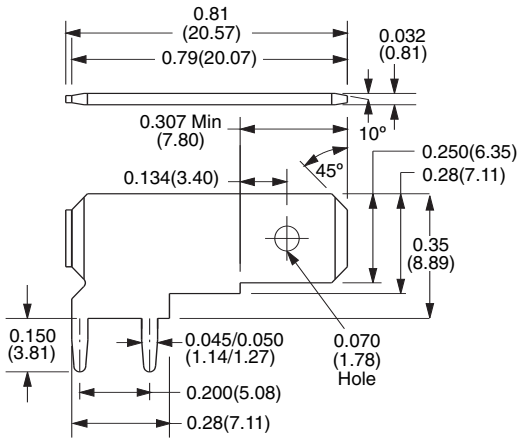
Loose Part No.	1131
Reeled Part No.	N/A
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Loose: ZPT81-1131

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	901
Reeled Part No.	(see P/N 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 ±0.076mm)
Applicator System	Loose: ZPT92-250

For exact finish specifications and available special finishes, see Finish Table (page 106).



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

For exact finish specifications and available special finishes, see Finish Table (page 106).

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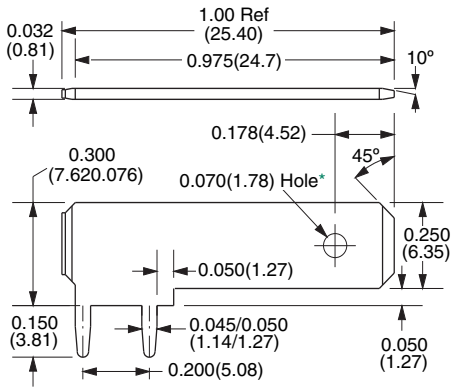


(*Also available with no hole, P/N 6152)

Reeled Part No.	6080	6152
Mounting Type	Outward or Inward Splay	
Material Thickness/ Type	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
Standard Finish	Reeled: 100% Tin over Copper	
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 9700, 9700 XY, 9718	

For exact finish specifications and available special finishes, see Finish Table (page 106).

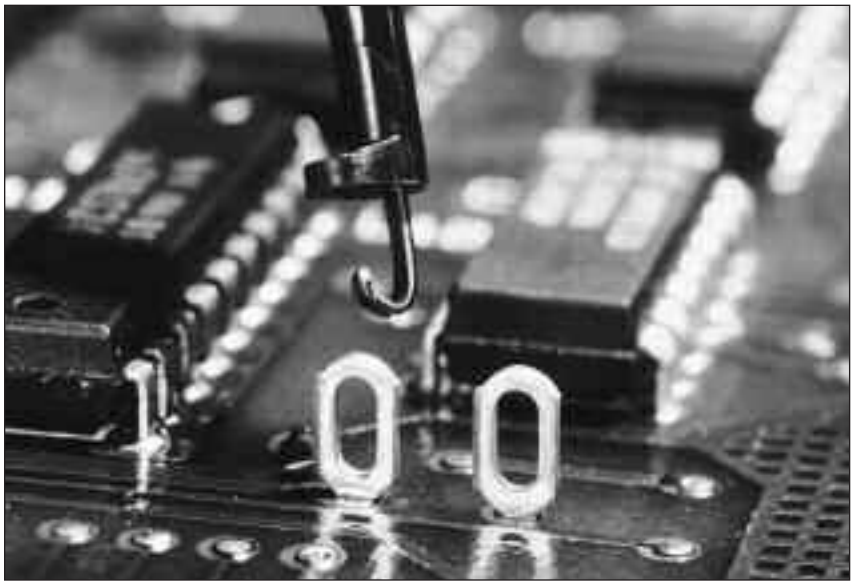
Underwriters Lab

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 UL310. As such, they meet the dimensional and performance requirements of the National Electrical Manufacturers Association specification number NEMA2-1982 (1988) covering Residential Controls – Quick Disconnect Terminals.

For a complete listing of Zierick's UL recommended Quick Disconnect terminals, visit the UL website, www.ul.com, and click on 'Certifications'. Under 'General Search' select 'UL File Number', then key in Zierick's UL File, Number E146208.

Test Point Terminals with Accu-Lok™ or Press-Fit Mounting



PCB mountable test point terminals from Zierick are available with exclusive Accu-Lok™ mounting, which eliminates the need for tight hole tolerances.

Zierick PCB test point terminals offer exceptional designed-in flexibility, allowing test engineers to easily attach J hooks, EZ hooks, lead grabbers, clips and other test probes.

All Zierick test point terminals are available with stress-free Accu-Lok™ mounting for a reliable PCB interconnection. The Accu-Lok™ feature, exclusive to Zierick, eliminates the need for tight mounting hole tolerances, permitting the use of holes with a diameter tolerance as great as ±0.003" (±0.076mm). PCB retention is achieved through a controlled splitting and forming of the terminal leg during insertion, preventing deformation, hole damage or board warpage commonly caused by traditional press-fit or compliant-fit terminal designs. Standard press-fit mounting is available if desired.

Zierick PCB test point terminals come in loose or reeled format, and in high or low profiles. PCB assembly can be done manually with Zierick hand tools, or automatically with Zierick semi- and fully-automated applicator systems.

- Zierick PCB test point terminals are available with Accu-Lok™ mounting, for maximum PCB retention and solder joint integrity.
- Accu-Lok™ mounting permits the use of mounting holes with a diameter tolerance of ±0.003" (±0.076mm).
- The Accu-Lok™ feature assures mounting repeatability and reduces the occurrence of fractured, missing or misaligned terminals.
- Press-fit test points are also available.
- Test points come loose or reeled, and in high- or low-profile configurations.
- Zierick test points may be inserted with Zierick manual hand tools, or with Zierick's semi- or fully-automated applicators.

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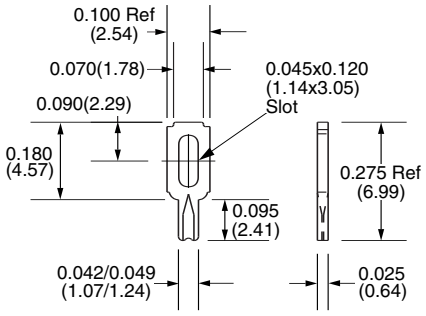
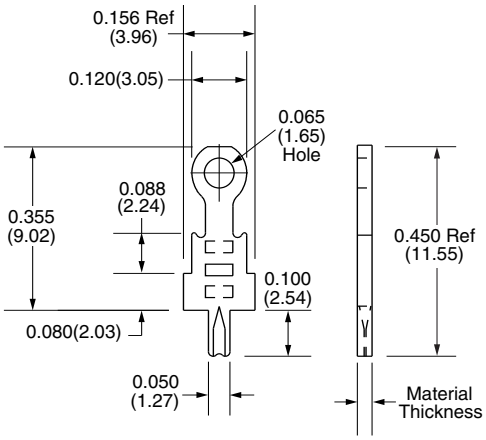


Loose Part No.	1069
Reeled Part No.	6069
Mounting Type	Accu-Lok™ Splay
Material Thickness/ Type	0.025" (0.64mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.055" ±0.003" (1.40mm ±0.076mm)
Applicator System	Loose: ZPT81-TP Reeled: Model 9700,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

U.S. Patent(s) No. 5,017,159 and 5,082,460.

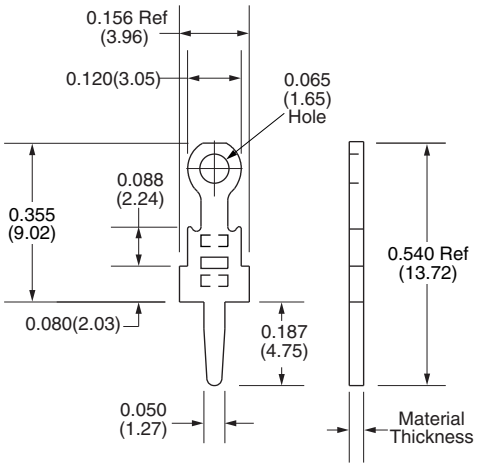
For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1058	1059
Reeled Part No.	6058	6059
Mounting Type	Accu-Lok™ Splay	Accu-Lok™ 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 ±0.076mm)	0.052" ±0.003" (1.32mm ±0.076mm)
Applicator System	Loose: ZPT81-TP Reeled: Model 9700, 9700 XY	

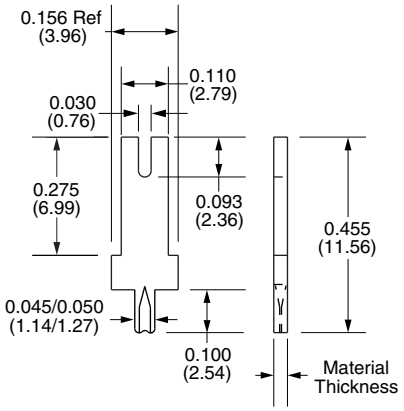
U.S. Patent(s) No. 5,017,159 and 5,082,460.

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1032	1033
Reeled Part No.	6032	6033
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	0.046" ±0.003" (1.17mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
Applicator System	Loose: ZPT81-TP Reeled: Model 9700, 9700 XY	

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1050-030	1049-030
Reeled Part No.	6050-030	6049-030
Mounting Type	Accu-Lok™ Splay	Accu-Lok™ 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 ±0.076mm)	0.054" ±0.003" (1.37mm ±0.076mm)
Applicator System	Loose: ZPT81-TP Reeled: Model 7000, 9700, 9700 XY	

U.S. Patent(s) No. 5,017,159 and 5,082,460.

For exact finish specifications and available special finishes, see Finish Table (page 106).

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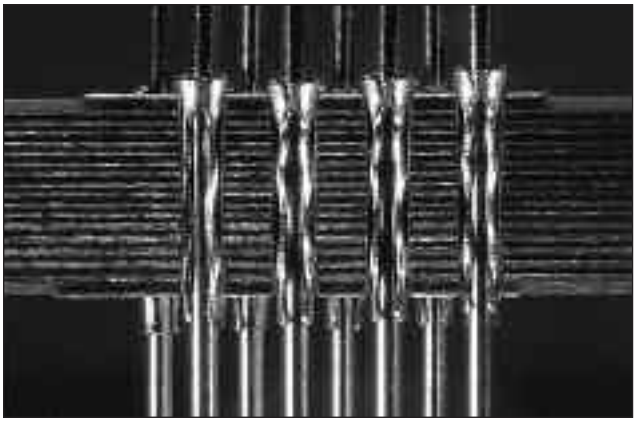
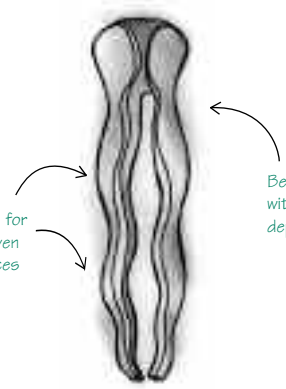


The Pro-Wave™ interconnection system, using compliant-fit sockets with pins, allows stacking of several dozen multilayer PCBs to effectually create a three-dimensional PCB.

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

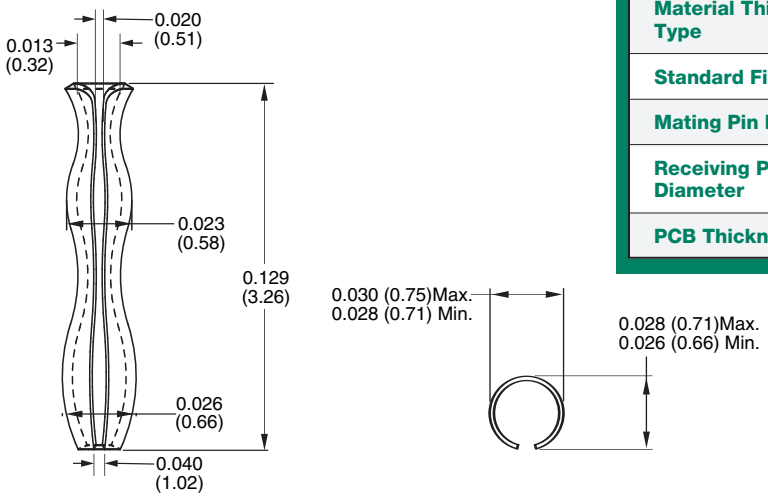
Zierick's Pro-Wave™ interconnection system enables customers to parallel stack several dozen multi-layer circuit boards in a high-speed matched impedance environment, creating a three-dimensional circuit. This solderless interconnection system utilizes pins and internal sockets. The Pro-Wave™ system allows a staggered row grid density of 0.050" 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.



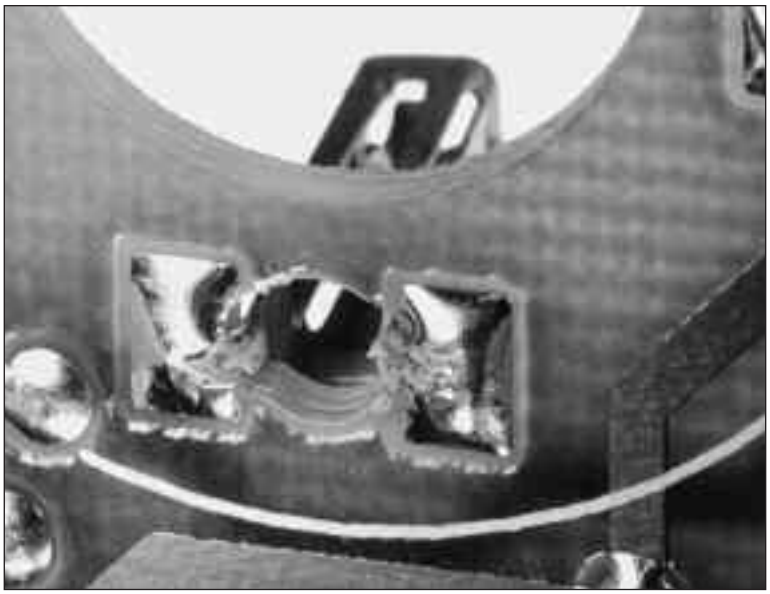
Pro-Wave's contour allows for multiple contact points even with hole diameter variances up to 0.005".

Beryllium copper construction with a hard gold finish ensures dependable performance.



Part No.	608213-22
Material Thickness/ Type	0.0035" (0.51mm) 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	0.96" min. (2.44mm)

Accu-Pak™ PCB Mountable Receptacles with Solder Resist Technology



Manual plugging or taping operations are eliminated with new solder resist.

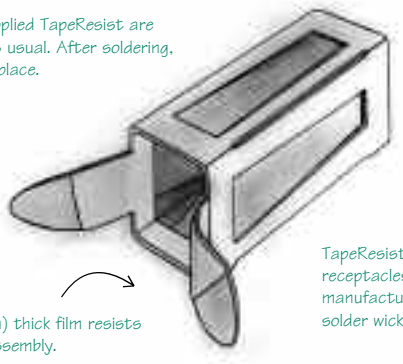
Some of Zierick's Accu-Pak™ connector line now feature optional NEW technology to prevent solder from wicking onto the internal contact areas during the wave solder process. Zierick's Tape-Resist solder masking technology is a remarkable advancement for PCB assembly as it utilizes pre-applied 0.001"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

TapeResist allows stamped connectors to withstand internal solder wicking without the need for expensive, non-solderable selective plated finishes. Secondary plugging or taping operations are also eliminated. The Tape-Resist 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.

Accu-Pak™ Connectors with Tape-Resist ensure reliable PCB-to-PCB, PCB-to-Component and PCB-to-Lead Wire interconnections, with top- or bottom-entry configurations. They mate easily with square, round, and rectangular terminals and posts, and are auto insertable. 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. Depending on the type of Accu-Pak™ you select, they are available with either Accu-Lok™ or Stable-Lok™ shock and vibration-proof mounting features, and may be assembled manually with Zierick hand tools or automatically with Zierick semi- and fully-automated applicator systems.

Connectors with pre-applied TapeResist are inserted to the PCB as usual. After soldering, TapeResist 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.

TapeResist is a patented product of Zierick Manufacturing Corporation.
U.S. Patent No. 5,495,669. Additional U.S. and international patents have been applied for.

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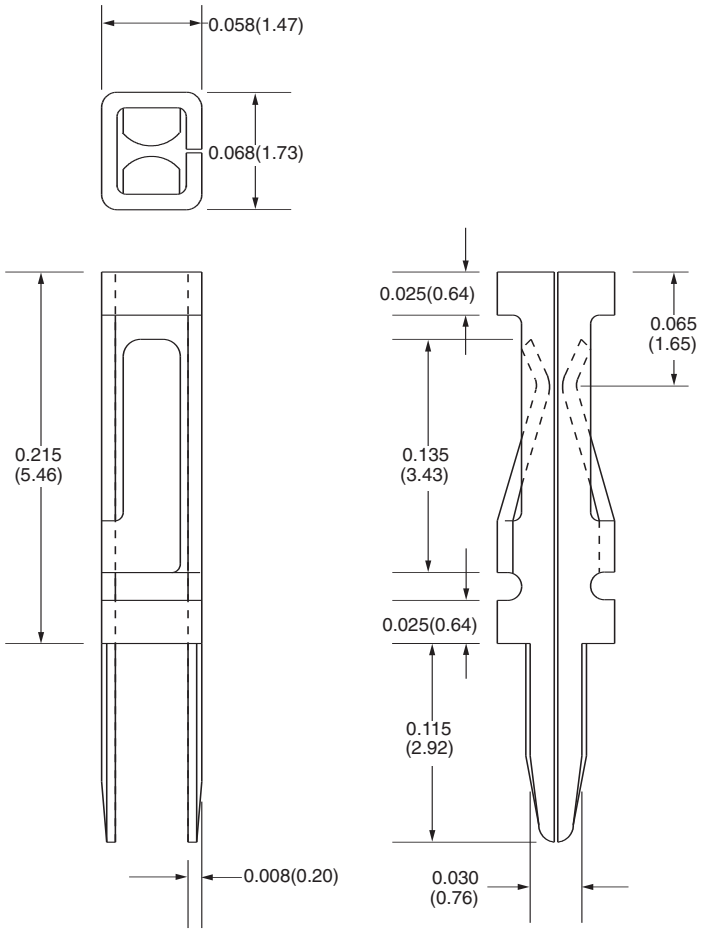
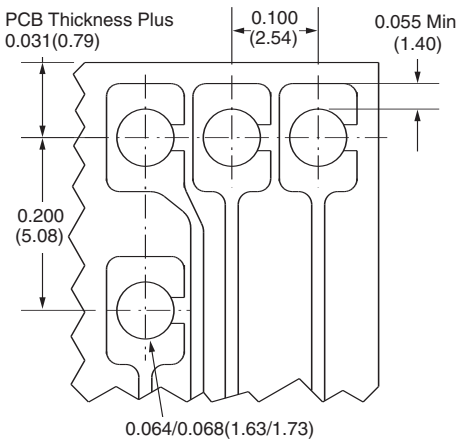
Loose Part No.	Reeled Part No.	Mating Terminal Size	
N/A	6100	0.025" (0.64mm) Rd. or Sq.	
Application Data			
Mounting Type	Outward Splay	**Mating Type**	Vertical
Material Thickness/ Type	0.008" (0.20mm) Phosphor Bronze	**Mating Entry**	Bottom
Standard FInish	Reeled: 100% Tin over Copper	**Applicator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

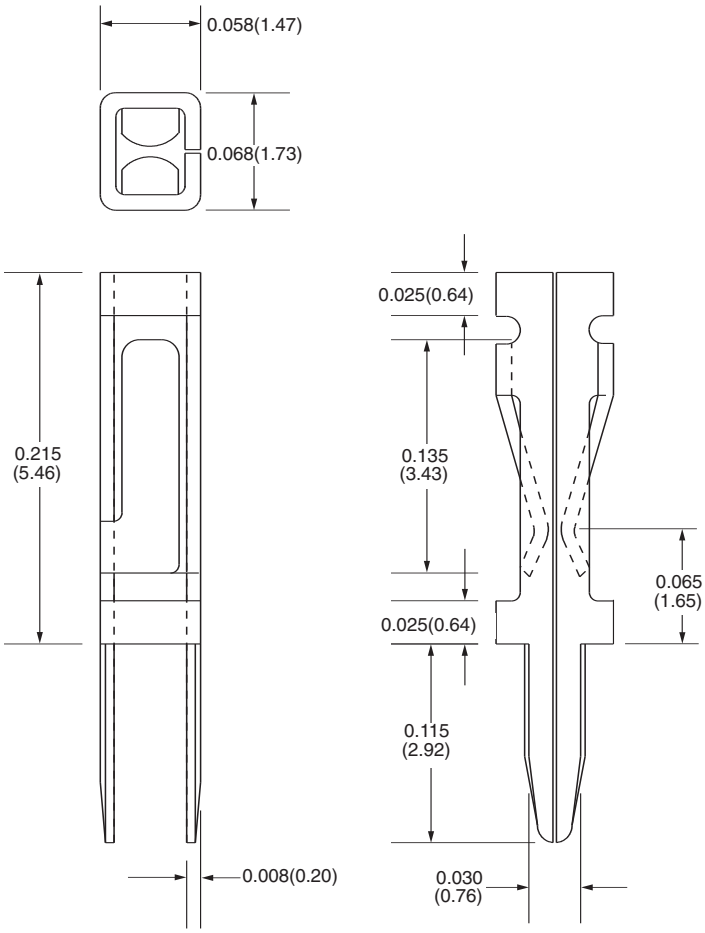


Typical PCB Geometry

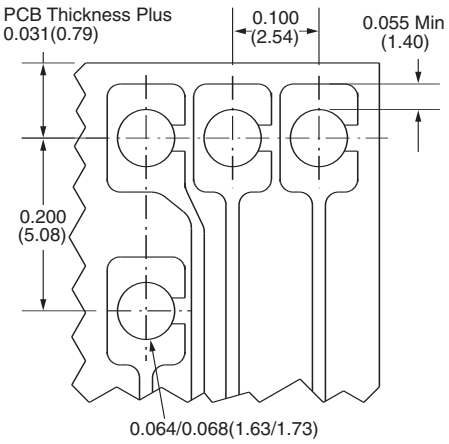


For exact finish specifications and available special finishes, see Finish Table (page 106).

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



Typical PCB Geometry



For exact finish specifications and available special finishes, see Finish Table (page 106).

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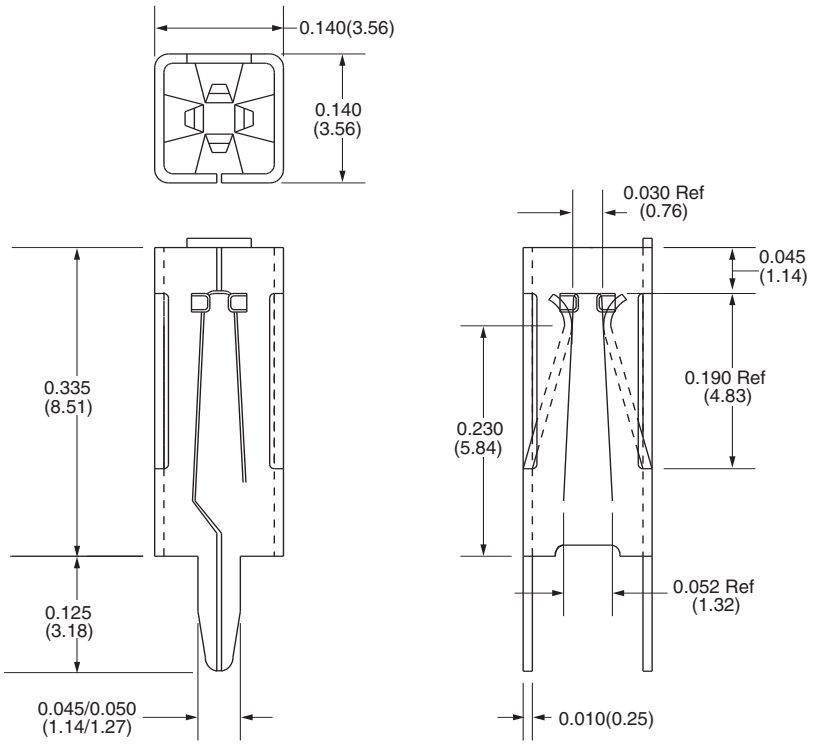
Loose Part No.	Reeled Part No.	Mating Terminal Size
1062	6062	0.060" (1.52mm) Rd. or Sq.
1062-300	6062-300	0.031" x 0.062" (0.79mm x 1.57mm)
1062-400	6062-400	0.045" (1.14mm) Rd. or Sq.
1062-200	6062-200	0.090" (2.29mm) Rd. or Sq.

Application Data

Mounting Type	Outward Splay	**Mating Entry**	Bottom
Material Thickness/ Type	0.010" (0.25mm) Phosphor Bronze	**Applicator System**	Loose: Consult factory Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	0.150"±0.003" (3.81mm±0.076mm)
Mating Type	Vertical		

Performance Data

Current Rating	10 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65° to 105°C

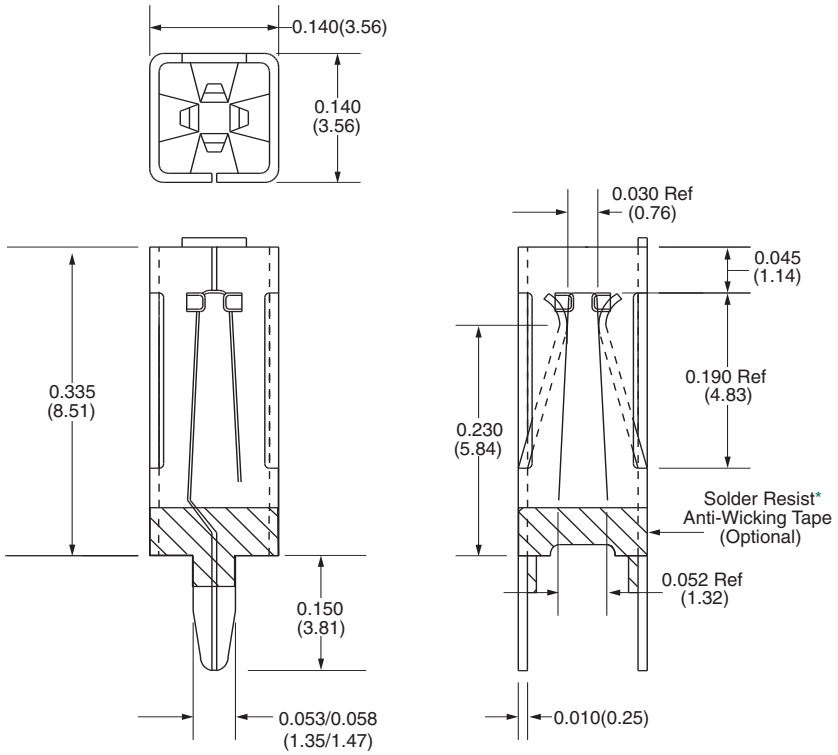


For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	Reeled Part No.	Tape Resist	Mating Terminal Size
1062-101	6062-101	Yes	0.095" (2.41mm) Max 0.060" (1.52mm) Rd. or Sq. 0.095" (2.41mm) Rd. or Sq.

Application Data			
Mounting Type	Outward Splay	**Mating Entry**	Bottom
Material Thickness/ Type	0.010" (0.25mm) Phosphor Bronze	**Applicator**	Loose: Consult factory
		System	Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	0.150"±0.003" (3.81mm±0.076mm)
Mating Type	Vertical		

Performance Data			
Current Rating	10 Ampere	**Insertion Force-Max.**	Application Dependent /Submit Mating Terminal Sample To Factory
Resistance Rating	10mΩ Max		
Temperature Rating	-65° to 105°C	**Withdrawal Force-Min.**	Application Dependent /Submit Mating Terminal Sample To Factory



U.S. Patent No. 5,495,669

For exact finish specifications and available special finishes, see Finish Table (page 106).

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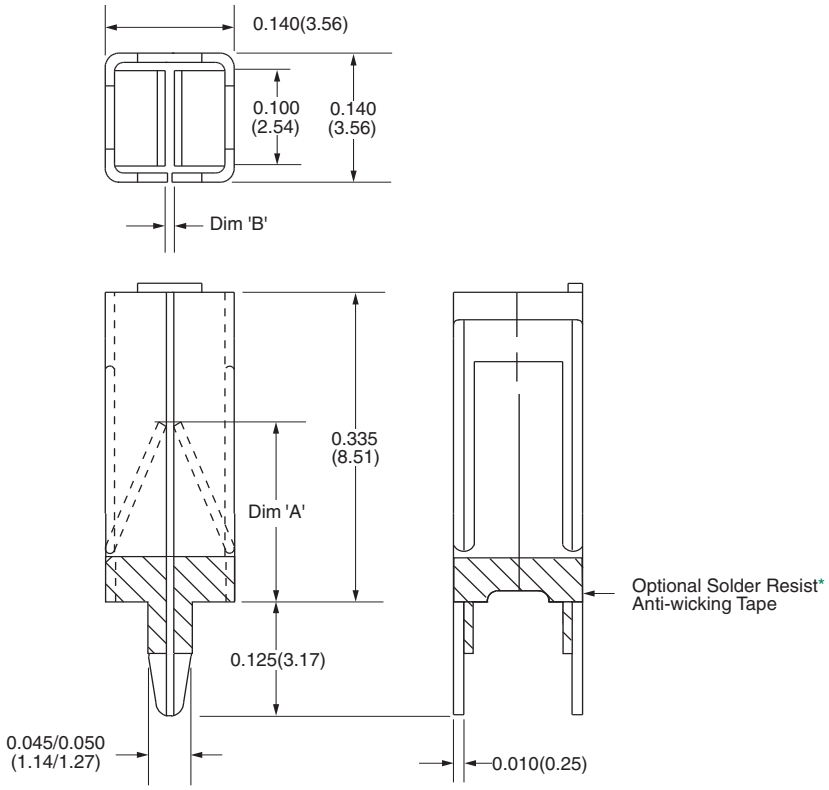
Loose Part No.	Reeled Part No.	Tape Resist	Mating Terminal Size	Dim 'A'	Dim 'B'
1193	6193	Optional (p/n 6193-TR)	0.025" to 0.095" (0.64mm to 2.41mm)	0.200" (5.08mm)	0.015" (0.38mm)
1200	6200		0.020" to 0.095" Rd. or Sq. (0.51mm to 2.41mm)	0.250" (6.35mm)	0.003" (0.07mm)

Application Data			
Mounting Type	Outward Splay	**Mating Entry**	Bottom
Material Thickness/ Type	0.010" (0.25mm) Phosphor Bronze	**Applicator System**	Loose: Consult factory Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	0.150"±0.003" (3.81mm±0.076mm)
Mating Type	Vertical		

Performance Data			
Current Rating	10 Ampere	**Insertion Force-Max.**	Application Dependent/Submit Mating Terminal Sample To Factory
Resistance Rating	10mΩ Max		
Temperature Rating	-65°C to 105°C	**Withdrawal Force-Min.**	Application Dependent /Submit Mating Terminal Sample To Factory



U.S. Patent No. 5,495,669

For exact finish specifications and available special finishes, see Finish Table (page 106).

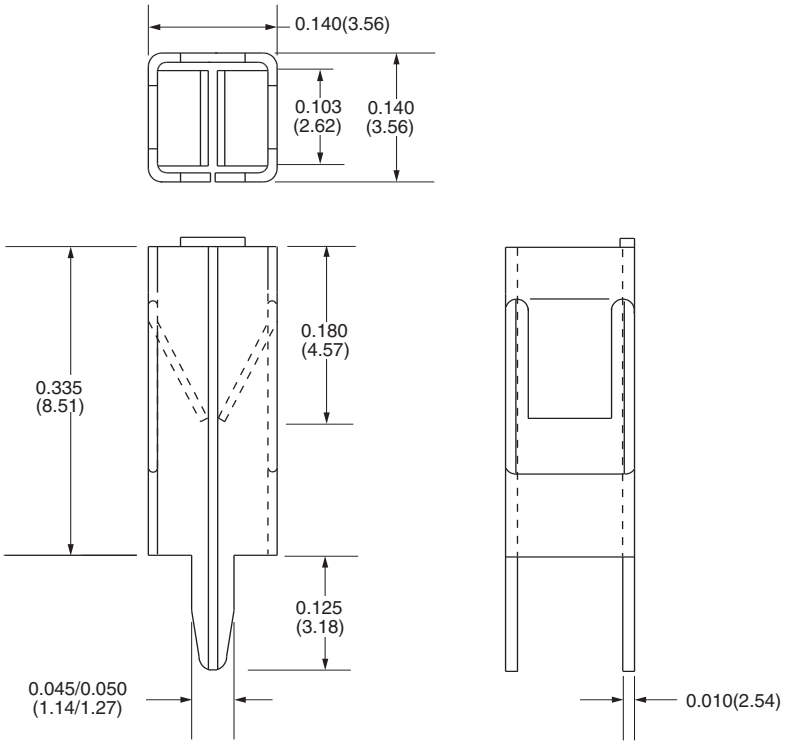
Loose Part No.	Reeled Part No.	Mating Terminal Size
1187	6187	0.025" (0.64mm) to 0.095" (2.41mm) Rd. or Sq.

Application Data

Mounting Type	Outward Splay	**Mating Type**	Vertical
Material Thickness/ Type	0.010" (0.25mm) Phosphor Bronze	**Applicator System**	Loose: Consult factory Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	2 holes 0.050"±0.003" (3.81mm±0.076mm) on 0.130"±0.003" centers (3.302mm±0.076mm)
Mating Entry	Top		

Performance Data

Current Rating	10 Ampere	**Insertion Force-Max.**	Application Dependent/Submit Mating Terminal Sample To Factory
Resistance Rating	10mΩ Max		
Temperature Rating	-65°C to 105°C	**Withdrawal Force-Min.**	Application Dependent/Submit Mating Terminal Sample To Factory



For exact finish specifications and available special finishes, see Finish Table (page 106).

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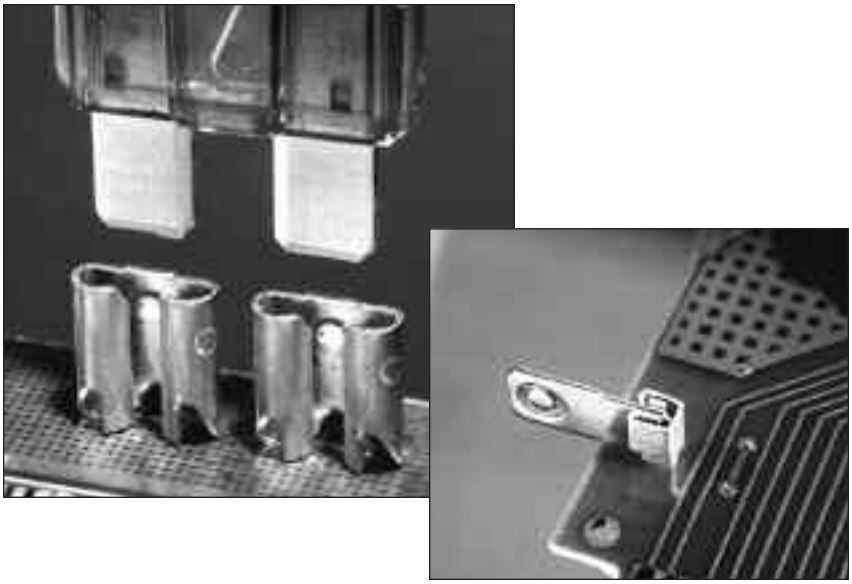


(Top Left) Accu-Pak™ receptacles provide dependable mating with standard male terminals, posts, and blade or fuse type terminals.

(Bottom Right) Accu-Pak™ receptacles are offered in many geometries including vertical, horizontal, parallel, perpendicular and stacking PCB packaging configurations.

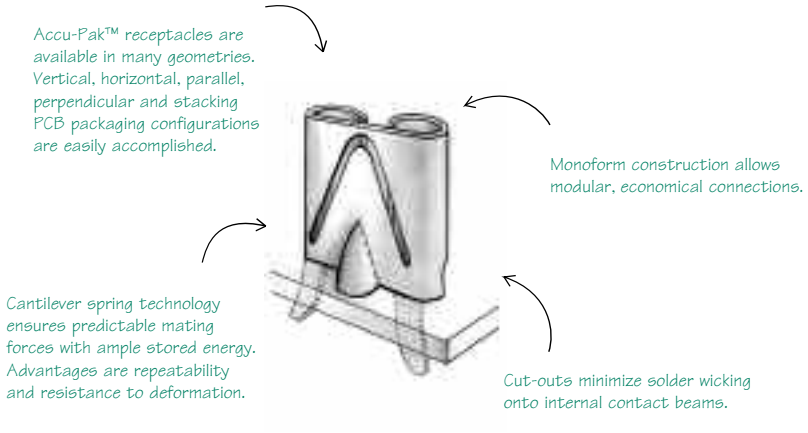
For highly repeatable PCB-to-PCB, PCB-to-Component, PCB-to-Lead Wire, and auto fuse interconnections, Accu-Pak™ PCB mountable receptacles offer outstanding yet economical performance.

Featuring exclusive contact spring technology to withstand repeated mating cycles, Accu-Pak™ receptacles mate easily with standard male terminals, posts, and blade or fuse type terminals. Mating may be accomplished with 0.025" (0.64mm), 0.045" (1.14mm), 0.060" (1.52mm), 0.062" (1.27mm), and 0.090" (2.29mm) square or round posts, for 0.031" (0.79mm) x 0.062" (1.27mm) rectangular posts and for 0.187" (4.75mm), 0.205" (5.21mm), and 0.250" (6.35mm) male quick disconnect and electronic component male terminals, such as relays and switches.

Contact spring design ensures predictable mating forces and high resistance to permanent deformation. The monoform construction allows modular, low-cost connections.

Accu-Pak™ receptacles are available in many geometries to meet increasingly complex electronic packaging requirements. Vertical, horizontal, parallel, perpendicular and stacking PCB packaging configurations are possible. Options include Accu-Lok™ and Stable-Lok™ mounting. PCB assembly can be done manually with Zierick hand tools, or automatically with Zierick semi- and fully-automated applicators.

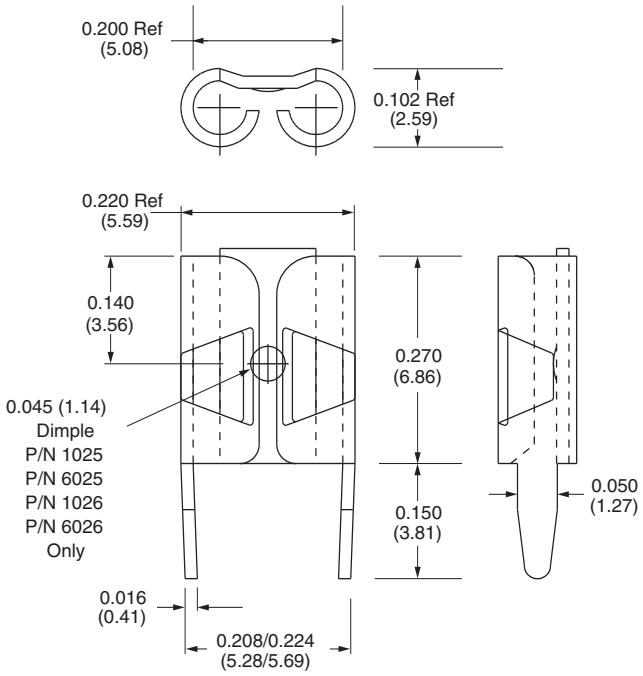
- Zierick's Accu-Pak™ receptacles provide dependable connections and exhibit exceptional performance.
- Accu-Pak™ receptacles withstand repeated mating, shock, vibration, and temperature cycling.
- Accu-Pak™ receptacles are available in many geometries.



Loose Part No.	Reeled Part No.	Mating Terminal Size
1241	6241	0.187" x 0.015" (4.75mm x 0.38mm) Tab
1026	6026	0.187" x 0.020" (4.75mm x 0.51mm) Tab
1025	6025	0.187" x 0.032" (4.75mm x 0.81mm) Tab

Application Data			
Mounting Type	Outward or Inward Splay	**Applicator System**	Loose: ZPT81-A Reeled: Model 9700, 9700 XY
Material Thickness/ Type	0.016" (0.41mm) Brass	**Mounting Hole Diameter**	2 holes 0.052"±0.003" (1.321mm±0.076mm)
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		

Performance Data	
Current Rating	15 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C



PRINT MODIFIED *for* PN 1241, 6241, 1026, 6026, 1025, 6025
See www.zierick.com/pages/th_rec_1241_1026_1025.php.

cifications and available special finishes, see Finish Table (page 106).

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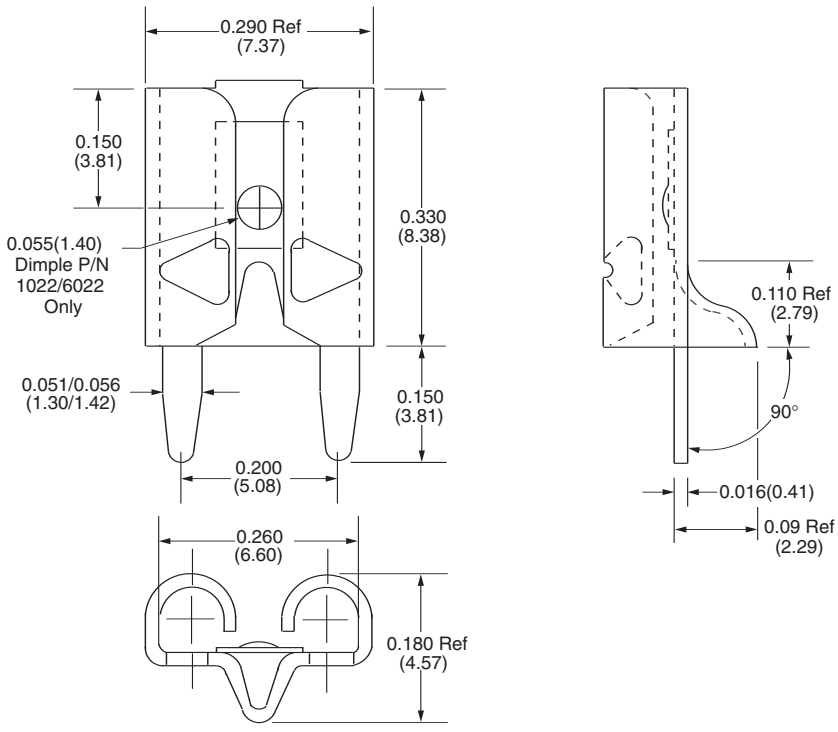
Loose Part No.	Reeled Part No.	Mating Terminal Size
1022	6022	0.250" x 0.032" (6.35mm x 0.81mm) Tab* 0.205" x 0.032" (5.21mm x 0.81mm) Tab*
1037	6037	0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass – Tab – (Low Insertion Force) 0.205" x 0.032" (5.21mm x 0.81mm) Tin/Brass – Tab – (Low Insertion Force)
1123	6123	0.250" x 0.025" (6.35mm x 0.63mm) Tin/Non-Brass – Relays or Fuses – Dual/Multiple Mating 0.205" x 0.025" (5.21mm x 0.63mm) Tin/Non-Brass – Relays or Fuses – Dual/Multiple Mating

Application Data			
Mounting Type	Stable-Lok™ Outward or Inward Splay	**Mating Entry**	Top
Material Thickness/ Type	0.016" (0.41mm) Brass	**Applicator System**	Loose: ZPT81-A Reeled: Model 9700, 9700 XY
Standard FInish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	0.052"±0.003" (1.32mm±0.076mm) on 0.200"±0.003" centers (5.08mm±0.076mm)

Performance Data	
Current Rating	20 Ampere*
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C

*with Brass Tab



PRINT MODIFIED *for* PN 1022, 6022, 1037, 6037, 1123, 6123
See www.zierick.com/pages/th_rec_1022.php.

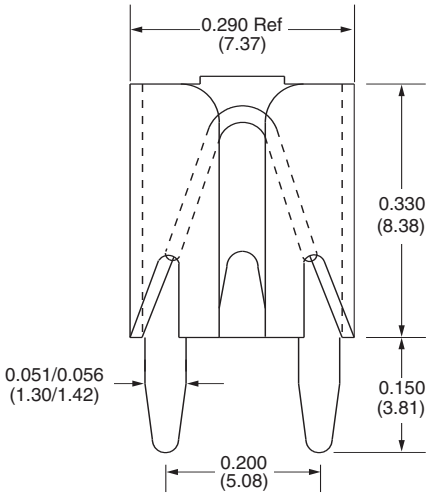
ecifications and available special finishes, see Finish Table (page 106).

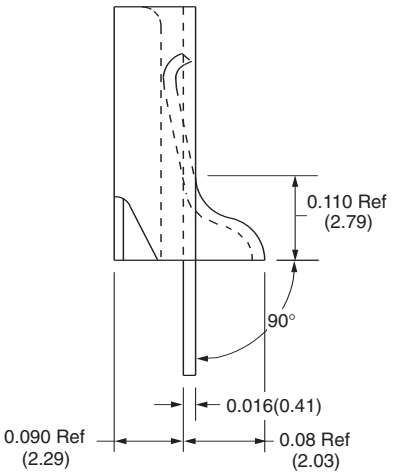
Loose Part No.	Reeled Part No.	Mating Terminal Size	Insertion Force-Max.	Withdrawal Force-Min.
1154	6154	0.250" x 0.025" (6.35mm x 0.64 mm) Tab or Fuse	5.0lbs (22.24N)*	1.5lbs (6.73N)*
1225	6225	0.250" x 0.032" (6.35mm x 0.81mm) Tab	10.0lbs (44.48N)*	1.5lbs (6.73N)*

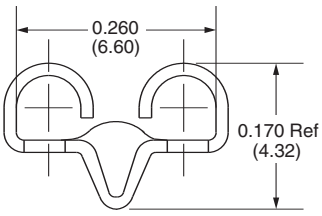
Application Data			
Mounting Type	Stable-Lok™ Outward or Inward Splay	**Mating Entry**	Top
Material Thickness/ Type	0.016" (0.41mm) Brass	**Applicator System**	Loose: ZPT81-A Reeled: Model 9700, 9700 XY
Standard FInish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	0.052"±0.003" (1.32mm±0.076mm) on 0.200"±0.003" centers (5.08mm±0.076mm)

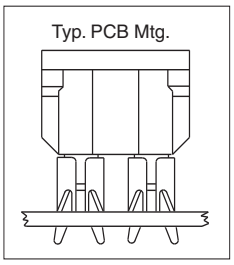
Performance Data	
Current Rating	20 Ampere (with Brass Tab)
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C

*with Steel Test Tab









Note: Insertion/Extraction ~ withdrawal forces will vary when using commercial fuses.
For exact finish specifications and available special finishes, see Finish Table (page 106).

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Loose Part No.	Reeled Part No.	Mating Terminal Size	Insertion Force-Max.	Withdrawal Force-Min.
1093	6093	0.250" x 0.032" (6.35mm x 0.81mm) Tab 0.205" x 0.032" (5.21mm x 0.81mm) Tab	10.0lbs (44.48N)*	2.0lbs (8.90N)*
1090	6090	0.250" x 0.025" (6.35mm x 0.64mm) Tab 0.205" x 0.025" (5.21mm x 0.64mm) Tab	5.0lbs (22.24N)*	1.0lbs (4.45N)*

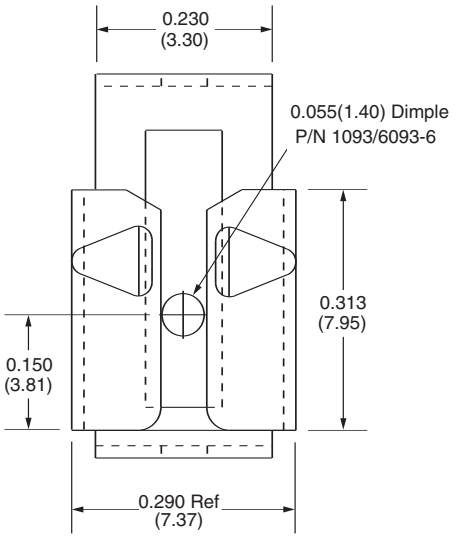
Application Data

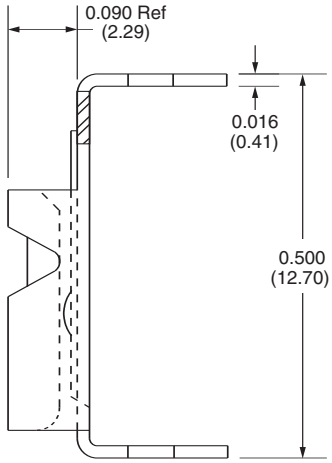
Mounting Type	Outward or Inward Splay	**Mating Entry**	Horizontal
Mating Type	Horizontal	**Applicator System**	Consult factory
Material Thickness/ Type	0.016" (0.41mm) Brass	**Mounting Hole Diameter**	2 holes 0.063"±0.003" (1.6mm±0.076mm) on 0.500"±0.003" centers (12.7mm±0.076mm)
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		

Performance Data

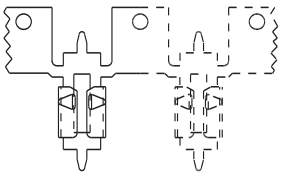
Current Rating	20 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C

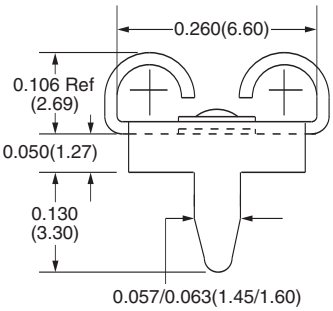
*with Steel Test Tab



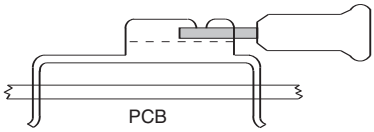


Reeled Format: Mounting legs are in the extended condition.





Optional use as ATC (Auto) fuse holder

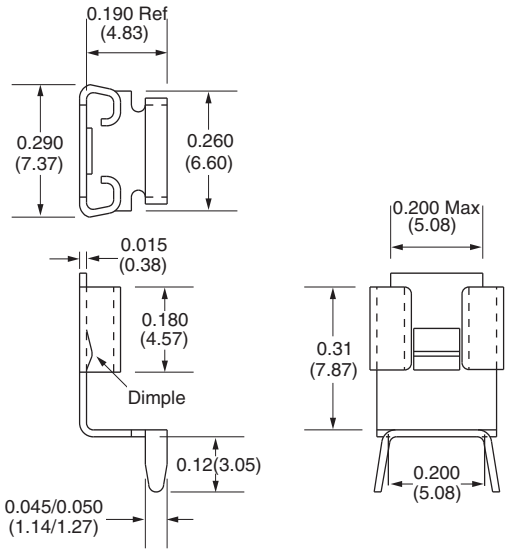


For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	Reeled Part No.	Mating Terminal Size
983	N/A	0.250" x 0.016" (6.35mm x 0.41mm) Tin/Brass Male
984	N/A	0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male

Application Data			
Mounting Type	Outward or Inward Splay	**Mating Entry**	Top Side
Mating Type	Vertical	**Applicator System**	Consult factory
Material Thickness/ Type	0.015" (0.38mm) Brass	**Mounting Hole Diameter**	2 holes 0.052" ±0.003" (1.32mm±0.076mm) holes on 0.200" ±0.005" (5.08mm±0.127mm) centers
Standard Finish	100% Tin over Copper		

Performance Data	
Current Rating	Part No. 983-10 Ampere Part No. 984-15 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C



For exact finish specifications and available special finishes, see Finish Table (page 106).

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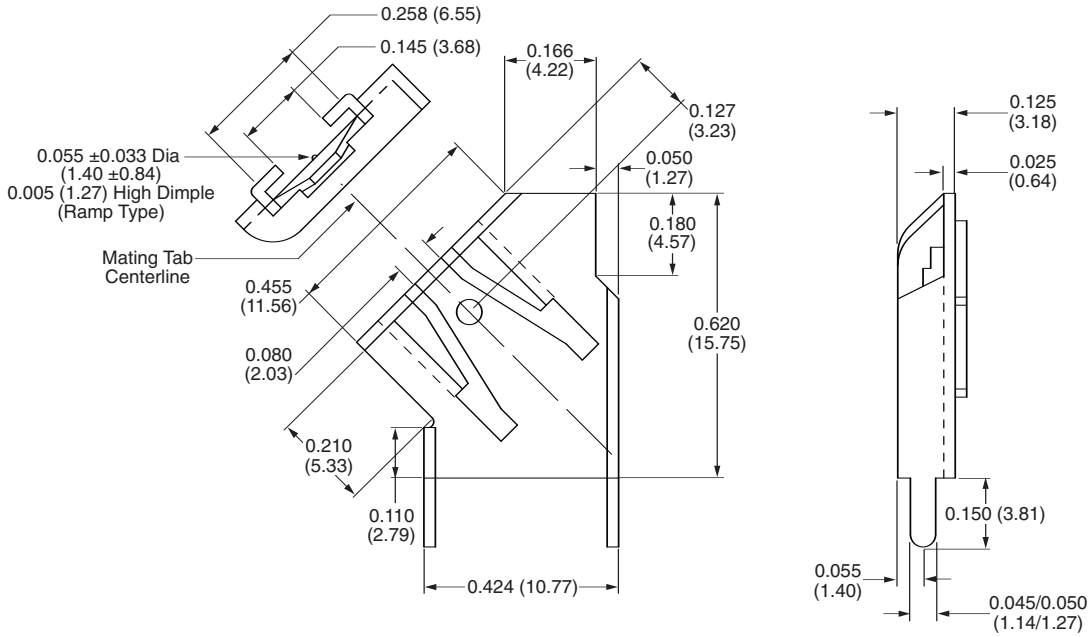
Loose Part No.	Reeled Part No.	Mating Terminal Size
1133	N/A	0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male and Relays Dual/Multiple Matings

Application Data			
Mounting Type	Outward or Inward Splay	**Mating Entry**	Side at 45°
Mating Type	45°	**Applicator System**	ZPT81-1133
Material Thickness/ Type	0.025" (0.64mm) Brass	**Mounting Hole Diameter**	2 holes 0.052" (1.32mm) holes on 0.200" (5.08mm) centers
Standard Finish	100% Tin over Copper		

Performance Data	
Current Rating	25 Ampere
Resistance Rating	20mΩ Max
Temperature Rating	-65°C to 85°C

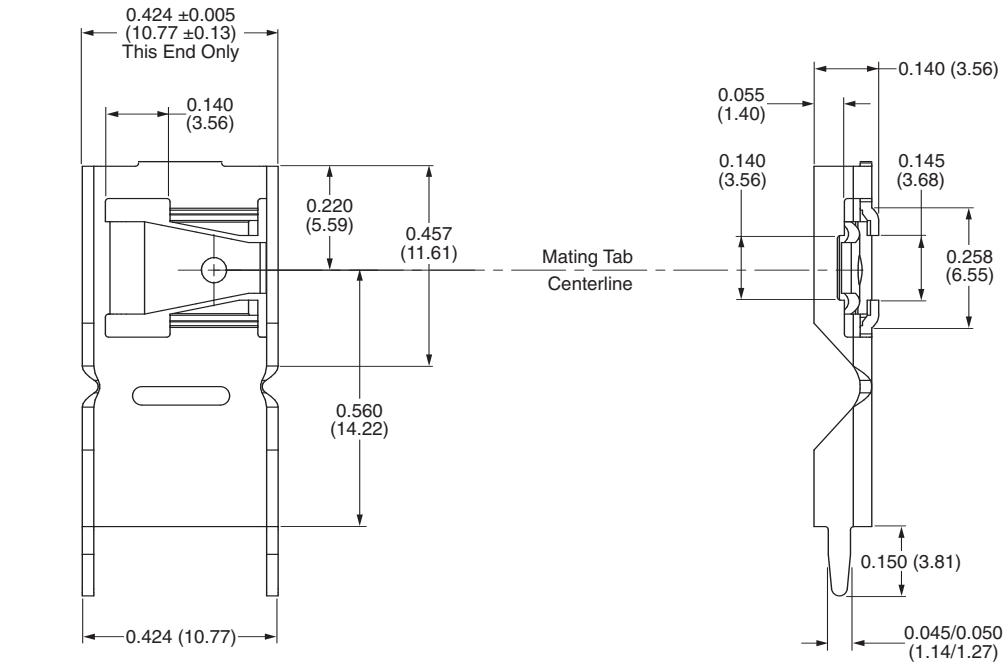


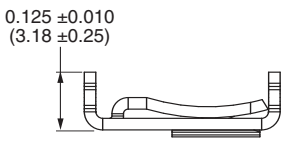
PRINT MODIFIED *for* PN 1133
See www.zierick.com/pages/th_rec_1133.php.

Loose Part No.	Reeled Part No.	Mating Terminal Size
N/A	6120	0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male and Relays Dual/Multiple Matings

Application Data			
Mounting Type	Outward or Inward Splay	**Mating Entry**	Horizontal
Mating Type	Horizontal	**Applicator System**	Model 9700, 9700 XY Bending Tool: ZPT-1120BT
Material Thickness/ Type	0.025" (0.64mm) Brass	**Mounting Hole Diameter**	2 holes 0.052" (1.32mm) holes on 0.200" (5.08mm) centers
Standard Finish	100% Tin over Copper		

Performance Data	
Current Rating	25 Ampere
Resistance Rating	20mΩ Max
Temperature Rating	-65°C to 85°C





PRINT MODIFIED *for* PN 6120
See www.zierick.com/pages/th_rec_6120.php.

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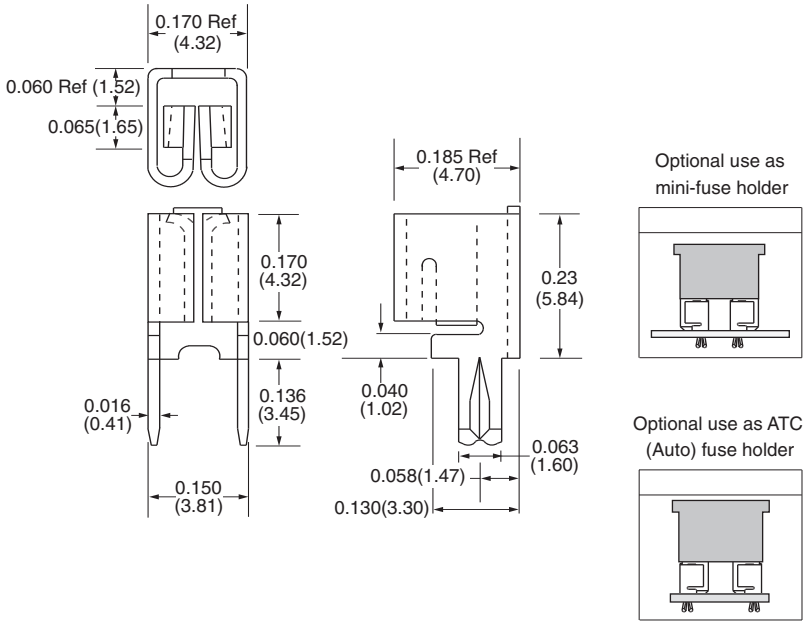
Loose Part No.	Reeled Part No.	Mating Terminal Size
1092	6092	0.025" (0.64mm) and 0.032" (0.81mm)
N/A	6274	0.020" (0.51mm) and 0.032" (0.81mm)

Application Data

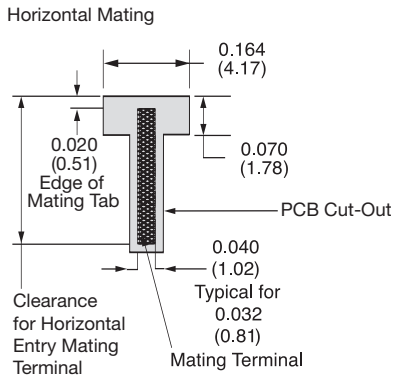
Mounting Type	Inward Splay or Accu-Lok™ "Split Leg"	**Mating Entry**	Top and Horizontal
Material Thickness/ Type	0.016" (0.41mm) Brass	**Applicator System**	Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		

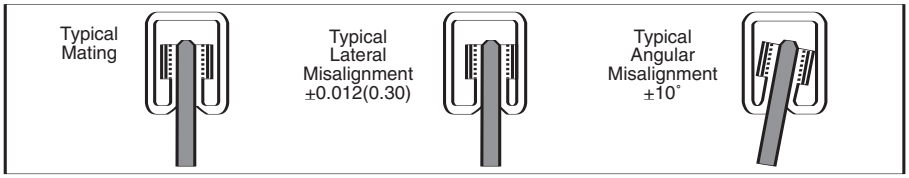
Performance Data

Current Rating	20 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C



PCB Layout for Top and Horizontal Entry Mounting





U.S. Patent No. 5,017,159

For exact finish specifications and available special finishes, see Finish Table (page 106).

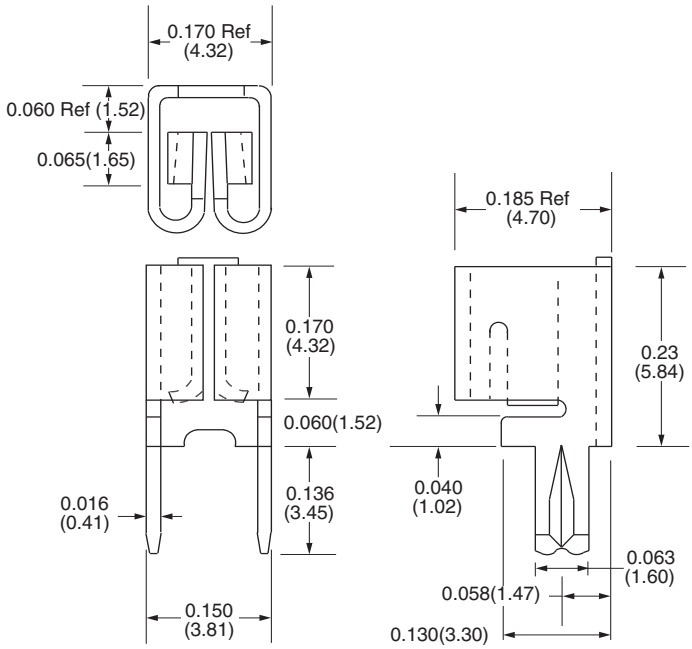
Loose Part No.	Reeled Part No.	Mating Terminal Size
1118	6118	0.025" (0.64mm) and 0.032" (0.81mm)
1188	6188	0.015" (0.38mm) and 0.025" (0.64mm)

Application Data

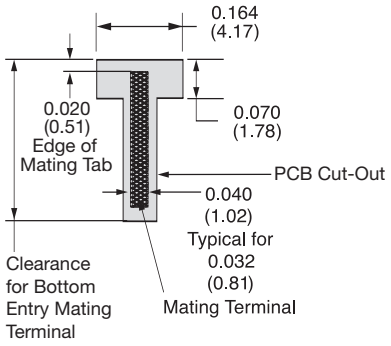
Mounting Type	Inward Splay or Accu-Lok™ "Split Leg"	**Mating Entry**	Bottom & Horizontal
Material Thickness/ Type	0.016" (0.41mm) Brass	**Applicator System**	Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		

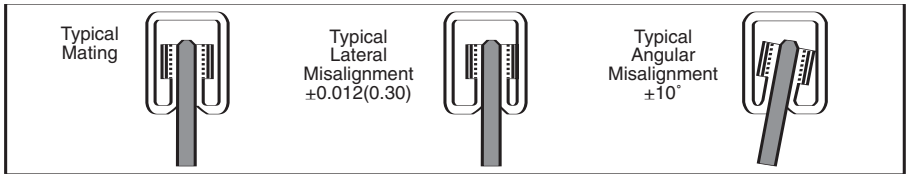
Performance Data

Current Rating	20 Ampere
Resistance Rating	10mΩ Max
Temperature Rating	-65°C to 85°C



PCB Layout for Bottom and Horizontal Entry Mounting





U.S. Patent No. 5,017,159

For exact finish specifications and available special finishes, see Finish Table (page 106).

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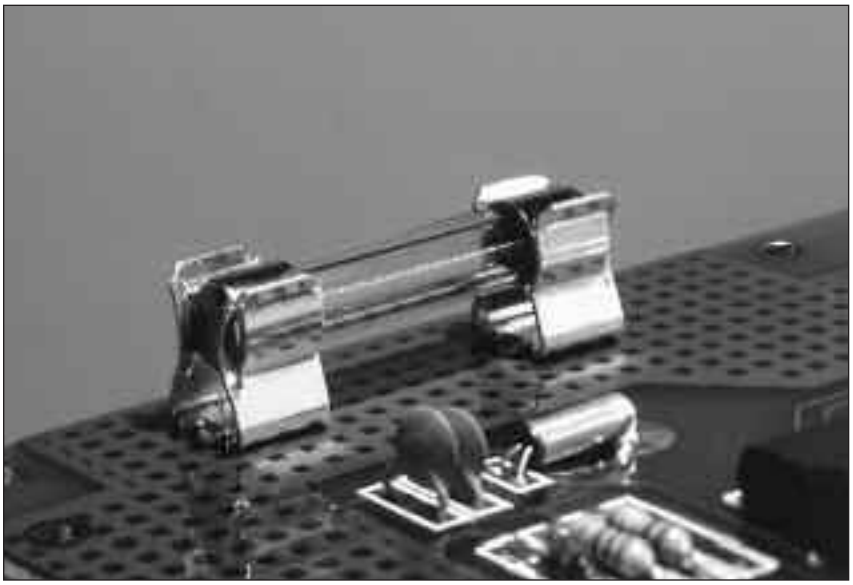


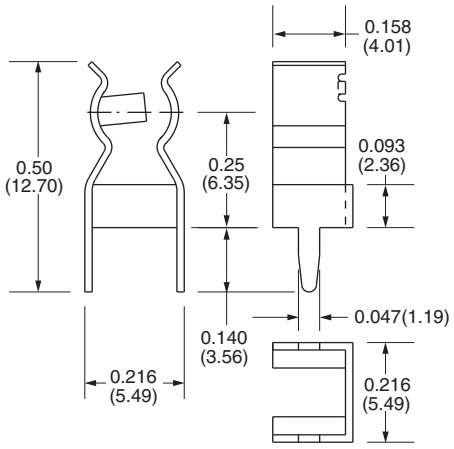
Zierick's spring-loaded mounting technology provides improved retention in Snap-In fuse clips.

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 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.

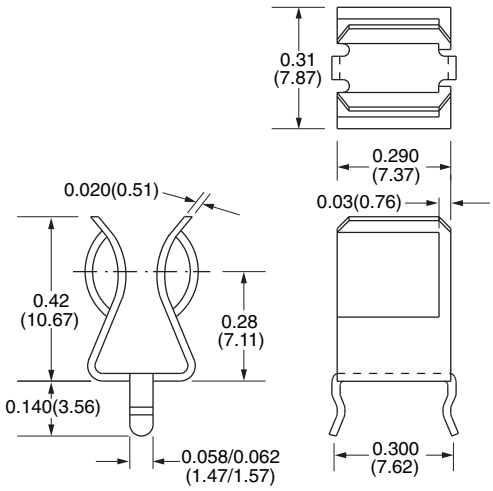
Standard fuse clips are also available from Zierick. Both the Snap-In and standard fuse clips are available for 1/4" (6.35mm) and 0.197" (5mm) cylindrical fuse sizes. Zierick fuse clips come in a loose piece format, with or without integral fuse stops.

- Zierick's Snap-In fuse clips ensure reliable mounting through the incorporation of a spring-loaded mounting leg.
- Both Snap-In and standard fuse clips are available for 1/4" (6.35mm) and 0.197" (5mm) cylindrical fuse sizes.
- Snap-In and standard fuse clips are available in loose piece format, with or without integral fuse stops.



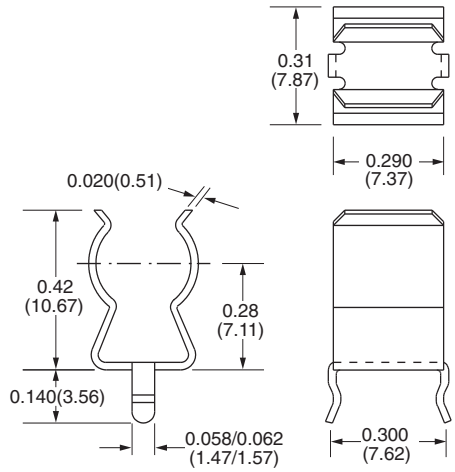
Loose Part No.	990
Fuse Size	0.197" (5mm)
Fuse Receptacle Type	Standard w/ Fuse Stop
Material Thickness/ Type	0.016" (0.41mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.052" (1.32mm)

For exact finish specifications and available special finishes, see Finish Table (page 106).



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

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	1048
Fuse Size	1/4" (6.35mm)
Fuse Receptacle Type	Snap-In w/o Fuse Stop
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.067" (1.70mm)

For exact finish specifications and available special finishes, see Finish Table (page 106).

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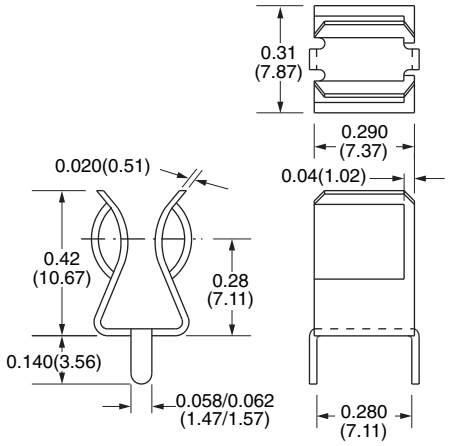
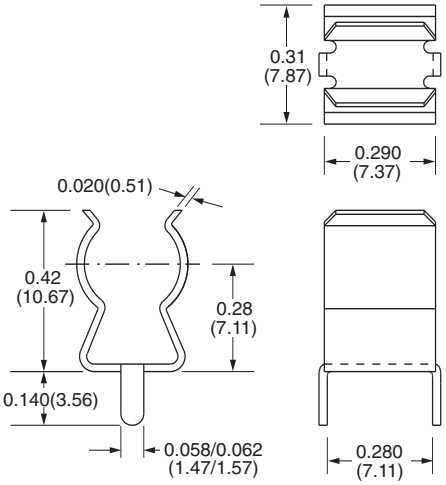


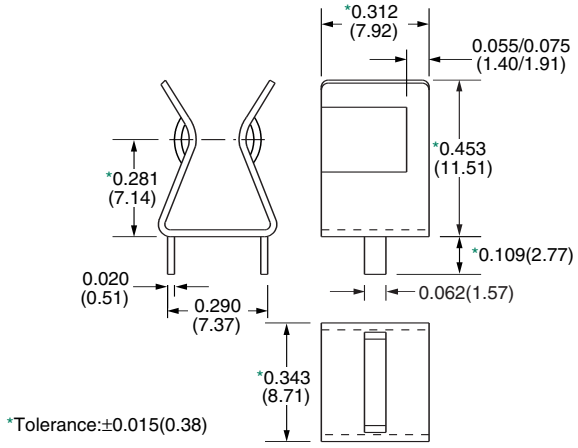
Loose Part No.	926
Fuse Size	1/4" (6.35mm)
Fuse Receptacle Type	Standard w/ Fuse Stop
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.067" (1.70mm)

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	927
Fuse Size	1/4" (6.35mm)
Fuse Receptacle Type	Standard w/o Fuse Stop
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.067" (1.70mm)

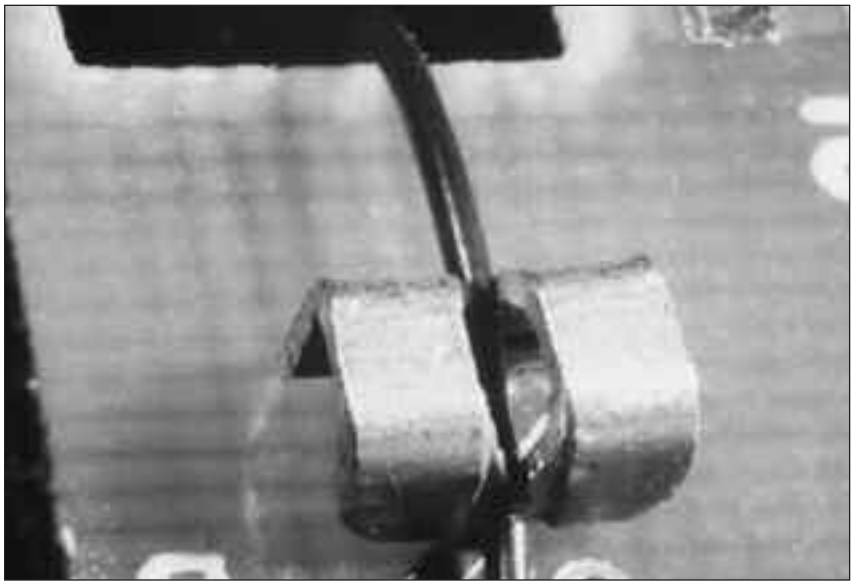
For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	798
Fuse Size	1/4" (6.35mm)
Fuse Receptacle Type	Standard w/ Fuse Stop
Material Thickness/ Type	0.020" (0.51mm) Brass
Standard Finish	100% Tin over Copper
Mounting Hole Diameter	0.070" (1.78mm)

PN 798
OBSOLETED

For exact finish specifications and available special finishes, see Finish Table (page 106).



Zierick's award-winning Torsion-Lok™ IDC is a cost-effective method of wire connection, providing exceptional flexibility and superior performance compared to traditional rigid contact beam IDC styles.

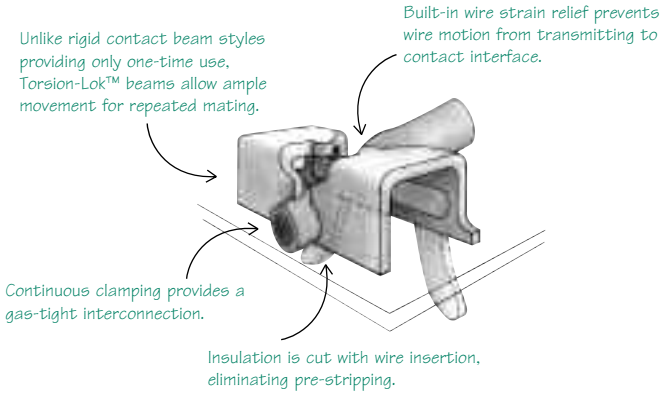
Zierick's award-winning Torsion-Lok™ insulation displacement connector (IDC*) allows connection and insulation shear in one motion, eliminating pre-stripping. The Torsion-Lok™ IDC received the PMA-Higgins Design Award based on its ability to deliver exceptional performance while saving costs.

Designed for rigorous PCB and wire-end connection requirements, Torsion-Lok™ IDC's outperform 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.

The Torsion-Lok™ design provides a predictable, pre-loaded connection force. The torsional 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. It withstands repeated mating cycles, vibration, and temperature cycling.

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.

- The Torsion-Lok™ IDC can be a cost-effective wire connection alternative.
- Torsion-Lok™ IDC's provide superior performance compared to rigid contact beam IDC styles.
- The high-deflection contact beam design withstands repeated mating cycles and harsh conditions.



U.S. Patent No. 5,022,868 and other international patents

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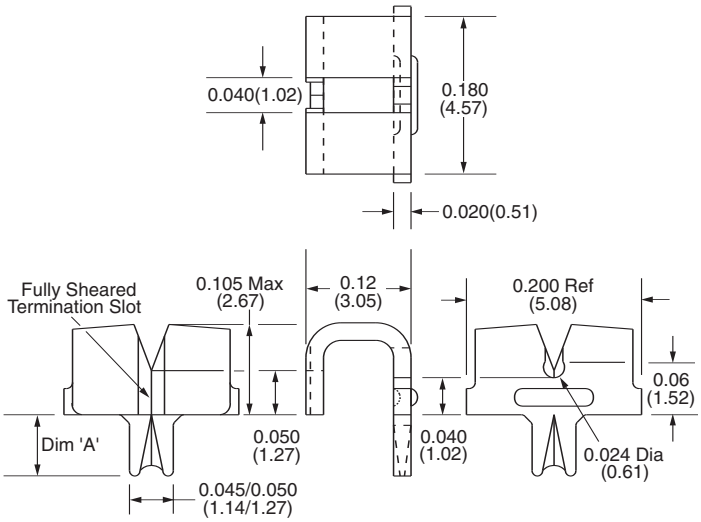
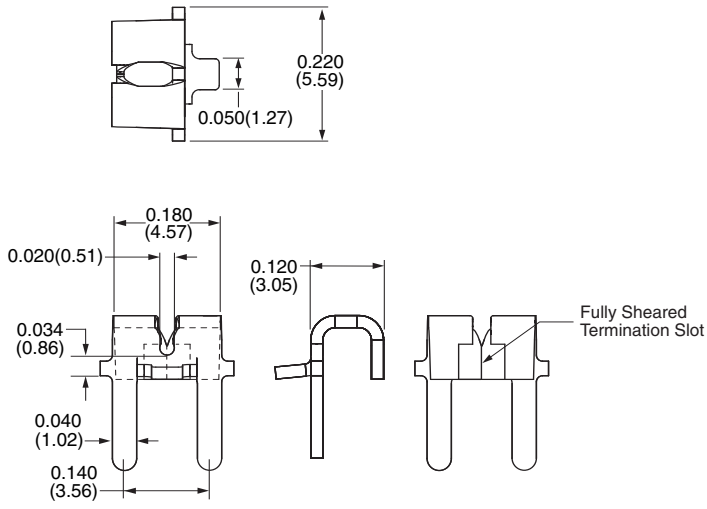


Loose Part No.	1182	1183
Reeled Part No.	6182	6183
Mounting Type	Accu-Lok™ For 0.031" (0.79mm) thick PCB	Accu-Lok™ For 0.062" (1.57mm) thick PCB
Material Thickness/ Type	0.020" (0.51mm) Brass	0.020" (0.51mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Wire Gauge Range	#30-26 AWG	#30-26 AWG
Mounting Hole Diameter	Single hole 0.055" ±0.003" (1.4mm ±0.076mm)	
Applicator System	Loose: ZPT-1081 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500	
Dim 'A'	0.070" (1.78mm)	0.100" (2.54mm)

U.S. Patent No. 5,022,868 and other international patents

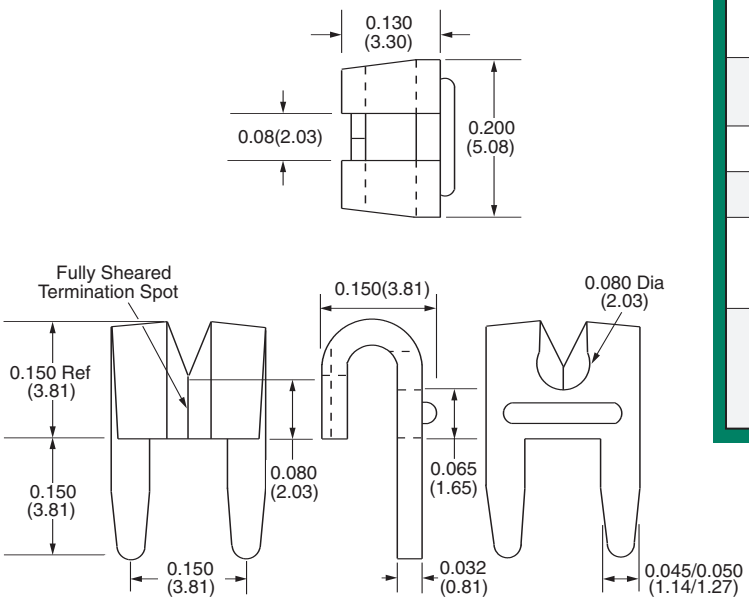
For exact finish specifications and available special finishes, see Finish Table (page 106).



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 ± 0.076mm) on 0.140" (3.56mm) centers
Applicator System	Loose: ZPT-1114 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500

U.S. Patent No. 5,022,868 and other international patents

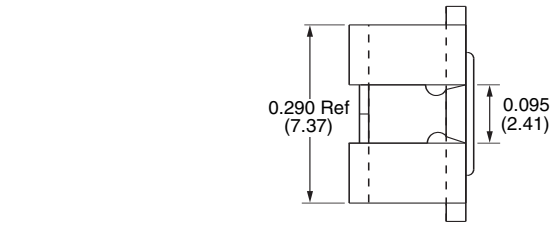
For exact finish specifications and available special finishes, see Finish Table (page 106).

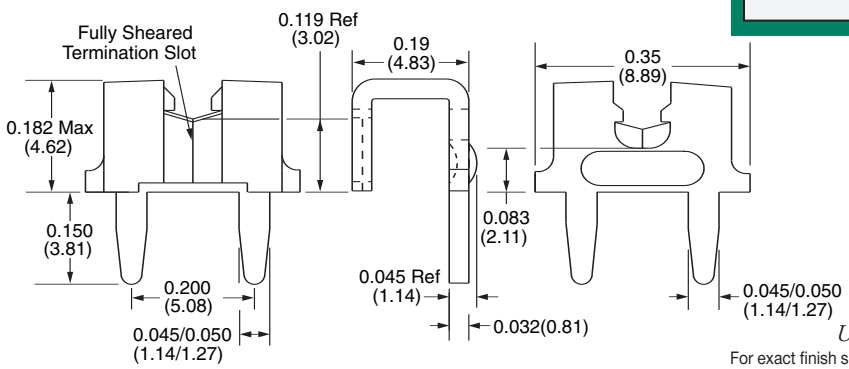


Loose Part No.	1119
Reeled Part No.	6119
Mounting Type	Outward or Inward Splay 0.062" (1.57mm) thick PCB
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Reeled: 100% Tin over Copper
Wire Gauge Range	#24-18 AWG
Mounting Hole Diameter	2 holes 0.058" ±0.003" (1.47mm ±0.076mm) on 0.150" (3.81mm) centers
Applicator System	Loose: ZPT-1119 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTXX-XXXX-X Wire Termination Press: Model 5500

U.S. Patent No. 5,022,868 and other international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).





Loose Part No.	1039
Reeled Part No.	6039
Mounting Type	Outward or Inv 0.062" (1.57mm
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 ±0.076mm) on 0.200" (5.08mm) centers
Applicator System	Loose: ZPT-1039 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500

PN 6039
OBSOLETED

U.S. Patent No. 5,022,868 and other international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

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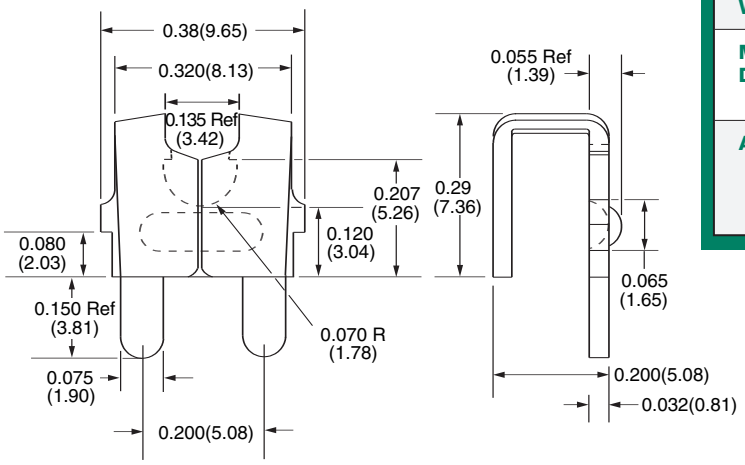
IDC (Insulation Displacement Connector) For #16–14 AWG Wire

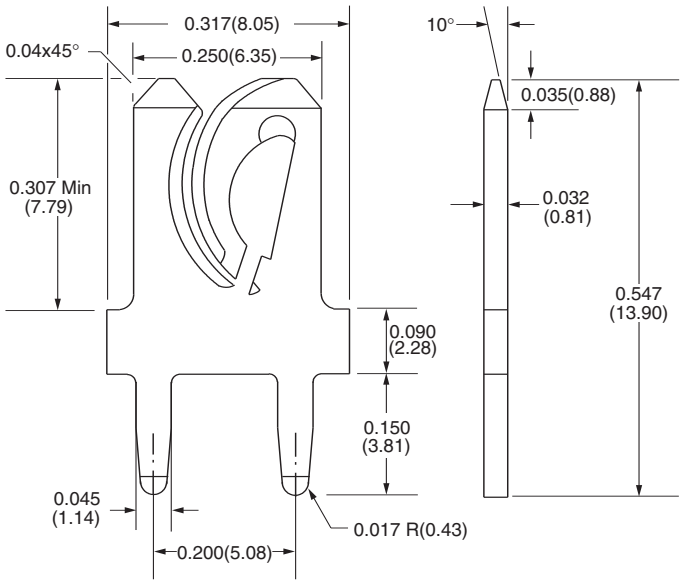


Loose Part No.	1174
Reeled Part No.	6174
Mounting Type	Outward or Inward Splay
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
Wire Gauge Range	#16–14 AWG
Mounting Hole Diameter	2 holes 0.080" ±0.003" (2.03mm ±0.076mm) on 0.200" (5.08mm) centers
Applicator System	Loose: ZPT-1174 Reeled: Model 9700, 9700 XY Wire Term Tool: WTX-XXXX-X Wire Termination Press: Model 5500

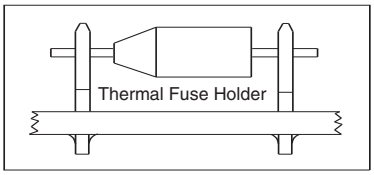
U.S. Patent No. 5,022,868 and other international patents

For exact finish specifications and available special finishes, see Finish Table (page 106).

IDC (Insulation Displacement Connector)/Quick Disconnect Tab For #24–18 AWG Wire



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 holes 0.058" ±0.003" (1.47mm ±0.076mm) on 0.200" (5.08mm) centers
Applicator System	Loose: ZPT-81A Reeled: Model 7000, 9700, 9700 XY Wire Term Tool: ZPT81-A-SPL Wire Termination Press: Model 5500

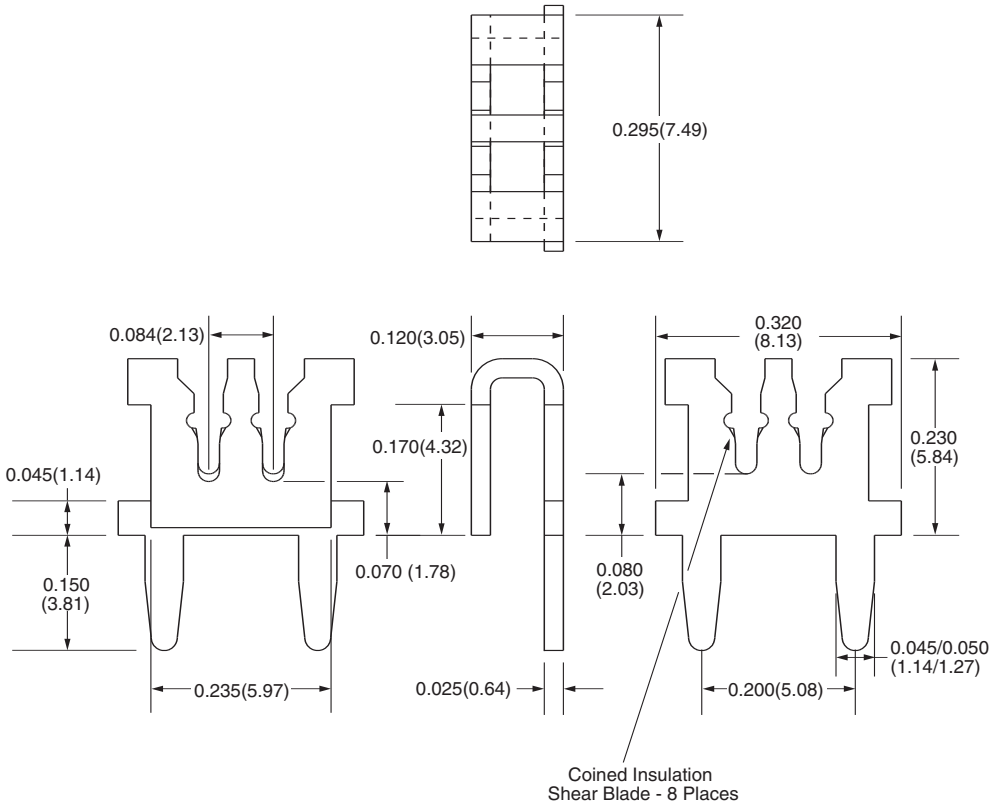


Optional Use

For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	1072
Reeled Part No.	6072
Mounting Type	Outward or Inward Spla
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" ±0.003" (1.47mm ±0.076mm) on 0.200" (5.08mm) centers
Applicator System	Loose: ZPT-1072 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500

PN 1072
OBSOLETED



For exact finish specifications and available special finishes, see Finish Table (page 106).

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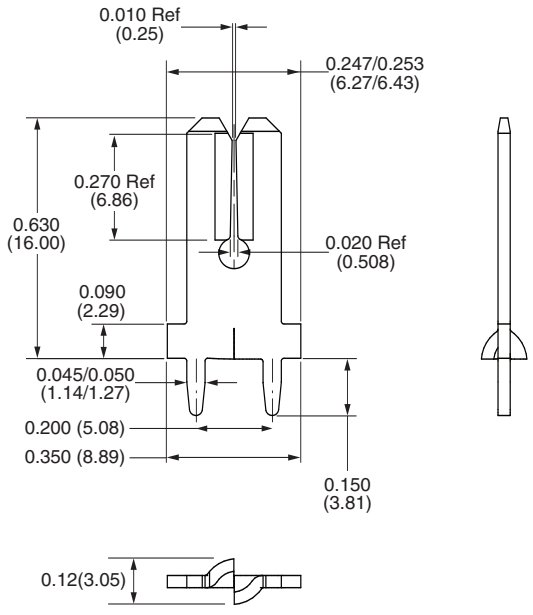
Loose Part No.	N/A
Reeled Part No.	6205
Mounting Type	Stable-Lok™ Splay Outward or Inward
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	Reeled: 100% Tin over Copper
Mounting Hole Diameter	0.058" ±0.003" (1.47mm ±0.076mm)
Applicator System	Reeled: Model 7000, 9700, 9700 XY



Manual and Semi-Automatic IDC Wire Insertion Tools

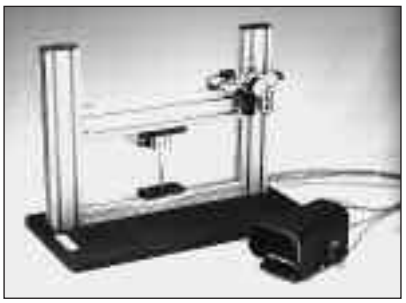
Zierick offers a variety of wire insertion tools for wire-to-IDC connections. These include wire insertion hand tools for limited volume applications, a pneumatic hand tool for faster and easier connections, and the Model 5500 wire insertion press. The Foot Pedal-Activated Model 5500 wire termination system is capable of terminating multiple wires at one time. Its modular design easily adapts to various applications.

WTW-1XXX

WTCP-1XXX

WTP-4ALL

WTPPS-1XXX-X



M5500 INSERTION PRESS

WTPPL-1XXX-X

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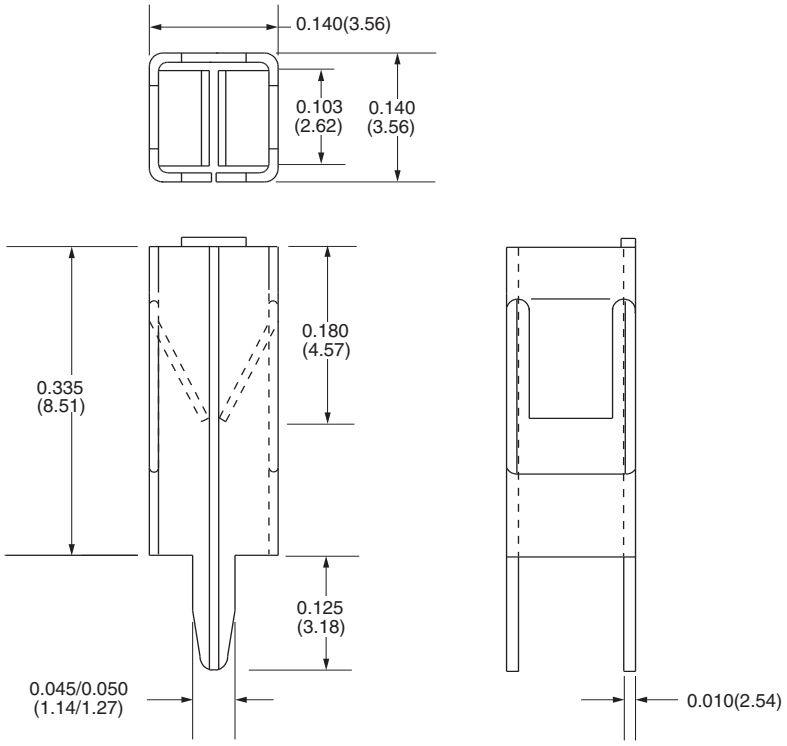
Loose Part No.	Reeled Part No.	Mating Wire Size	
1187	6187	#20–#14 AWG	
Application Data			
Mounting Type	Outward Splay	**Mating Type**	Vertical
Material Thickness/ Type	0.010" (0.25mm) Phosphor Bronze	**Applicator System**	Loose: Consult factory Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100%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

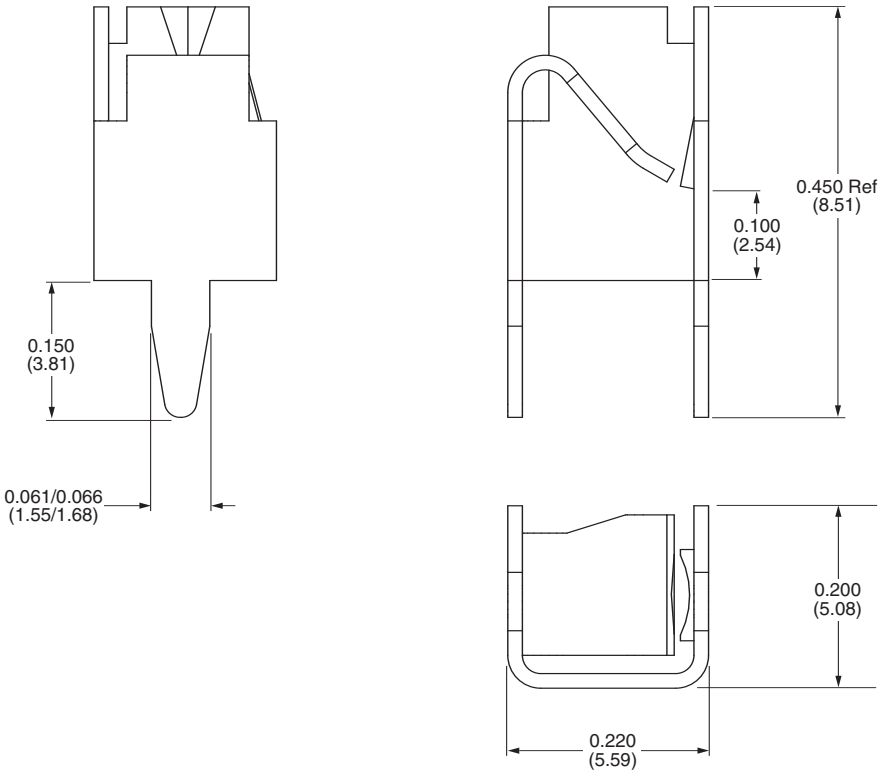


For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	Reeled Part No.	Mating Wire Size
1176	6176	#14–#16 AWG

Application Data			
Mounting Type	Outward Splay	**Mating Type**	Vertical
Material Thickness/ Type	0.016" (0.40mm) CDA260 Brass	**Applicator System**	Loose: Consult factory Reeled: Model 9700, 9700 XY
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	**Mounting Hole Diameter**	2 holes 0.072"±0.003" Dia. (1.83mm±0.076mm) on 0.200" centers (5.08mm)
Mating Entry	Top		

Performance Data			
Current Rating	10 Ampere	**Insertion Force-Max.**	Application Dependent
Resistance Rating	10mΩ Max		
Temperature Rating	-65°C to 75°C	**Withdrawal Force-Min.**	Application Dependent



For exact finish specifications and available special finishes, see Finish Table (page 106).

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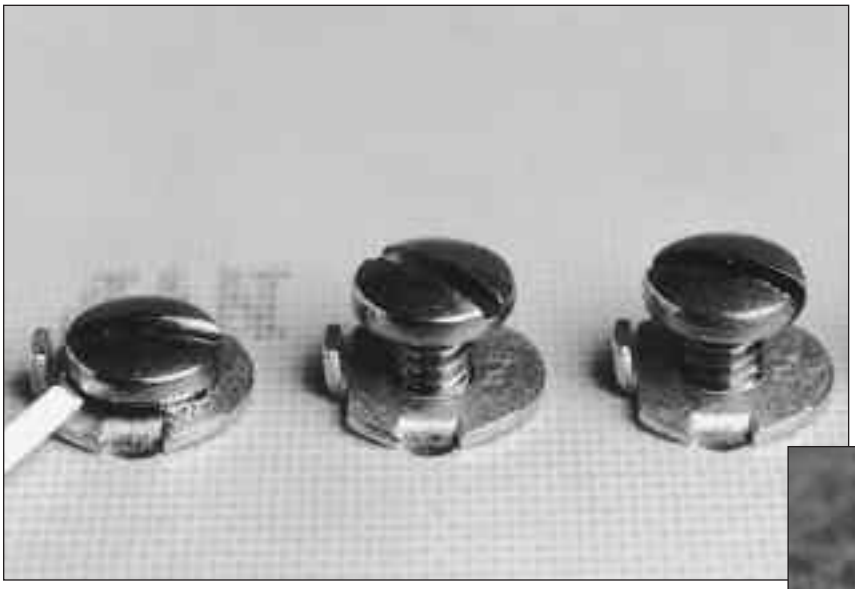


Discrete lead wires are easily attached to Zierick screw terminals. This effective design makes costly terminal strips and barrier blocks unnecessary.

Zierick's screw terminals, designed to permit the attachment of discrete lead wires to printed circuit boards, are an economic alternative to costly PCB mountable terminal strips and barrier blocks. These efficient terminals provide a solid gas-tight connection with exceptional pull-out resistance.

Available in seven basic configurations, Zierick screw terminals are highly versatile and are acceptable for most common wire gauges. Discrete lead wires are attached to the printed circuit board easily and effectively, delivering improved vibration resistance and reduced long-term stress relaxation.

Zierick screw terminals are available with or without screws; staked or unstaked; turned-in or backed-out. Customers may order Zierick screw terminals in a variety of thread and screw sizes. The screw terminals are plated with tin outerplate and copper underplate for improved solderability.

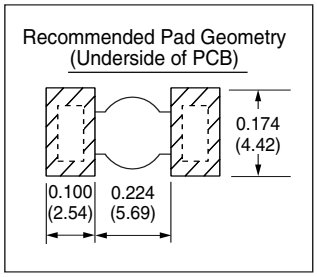
They are assembled with solder-resistant 100% stainless steel screws or custom screws if required. They are packaged and bar coded with the date of manufacture and lot serial number for easy inventory control and traceability. All Zierick screw terminals are shipped in heat-sealed bags with a desiccant for a longer shelf life.

- Zierick screw terminals allow reliable attachment of discrete lead wires to printed circuit boards.
- Zierick screw terminals are an alternative to expensive PCB mountable terminal strips and barrier blocks.
- Zierick screw terminals provide a solid gas-tight connection with improved vibration resistance and minimal long-term stress relaxation.

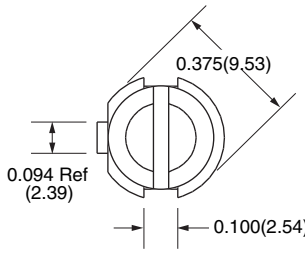
Zierick's new Combination Head Screw allows the use of either slot or Phillips head screwdrivers. It is a 1/4" x 6-32 stainless steel pan head combination screw which is inserted and can be staked and backed out.

This screw is currently available on our Part Number 934 ST.SC, but can be made available on other screw terminals.

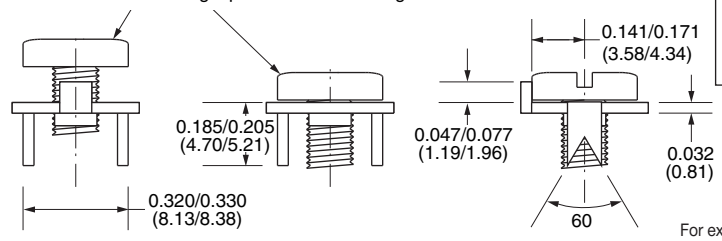
Consult the factory to obtain information on availability of the Combination Head Screw on other binding posts.

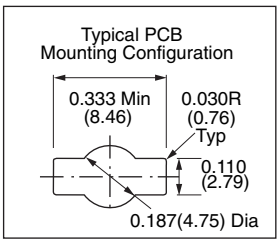


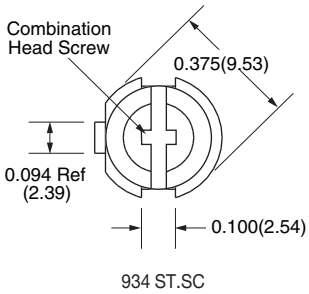
Loose Part No.	731	934 ST. S	934 ST.SC
Material Thickness/ Type	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
Standard FInish	100%Tin over Copper	100% Tin over Copper	100% Tin over Copper
Screw Type	No Screw	Stainless Steel Binding Head 1/4" (6.35mm) x 6-32	Stainless Steel Binding Head 1/4" (6.35mm) x 6-32
Screw Position	No Screw	Inserted, Staked and Backed-Out	Inserted, Staked and Backed-Out



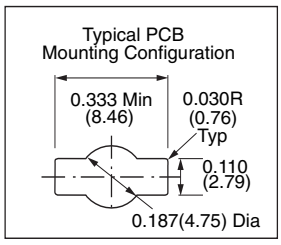
Available With & Without Screw.
Screw Size & Positioning Optional. See Ordering Data.



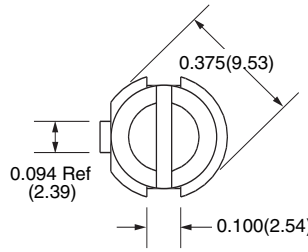




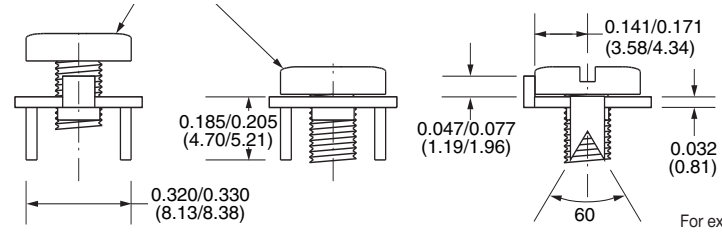
For exact finish specifications and available special finishes, see Finish Table (page 106).

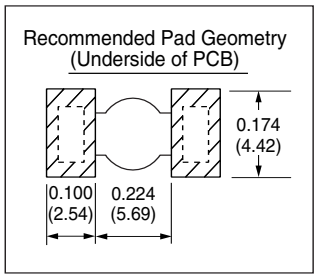


Loose Part No.	934 MSS	1108
Material Thickness/ Type	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
Standard FInish	100%Tin over Copper	100% Tin over Copper
Screw Type	Magnetic Stainless Steel Binding Head 1/4" (6.35mm) x 6-32	Stainless Steel Binding Head 1/4" (6.35mm) x 6-32
Screw Position	Inserted, Staked and Down	Inserted, Staked and Down



Available With & Without Screw.
Screw Size & Positioning Optional. See Ordering Data.





For exact finish specifications and available special finishes, see Finish Table (page 106).

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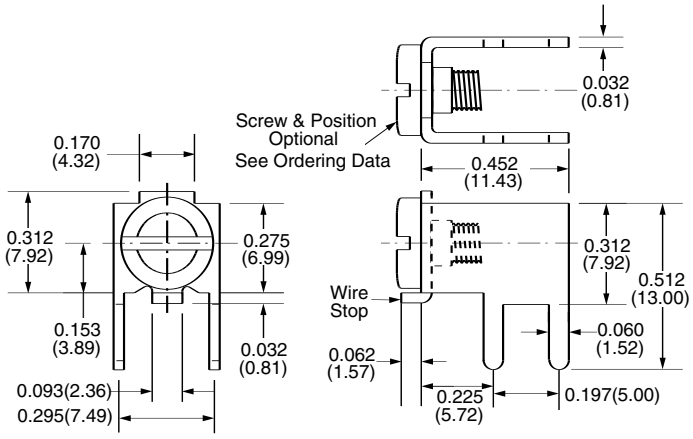
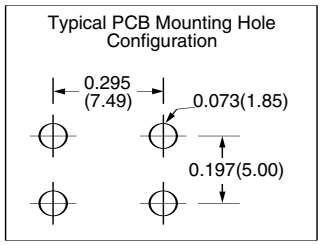
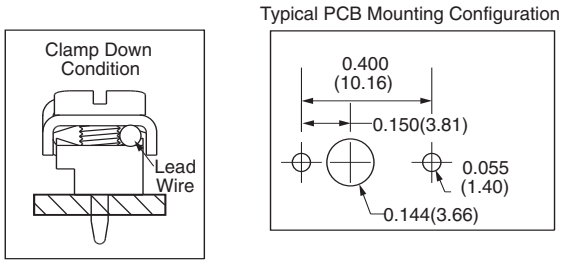
Loose Part No.	1117 ST. S	1117	1116 ST. S	1116	1202 ST. S
Material Thickness/ Type	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass
Standard Finish	Pre-Tinned Brass	Pre-Tinned Brass	Pre-Tinned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

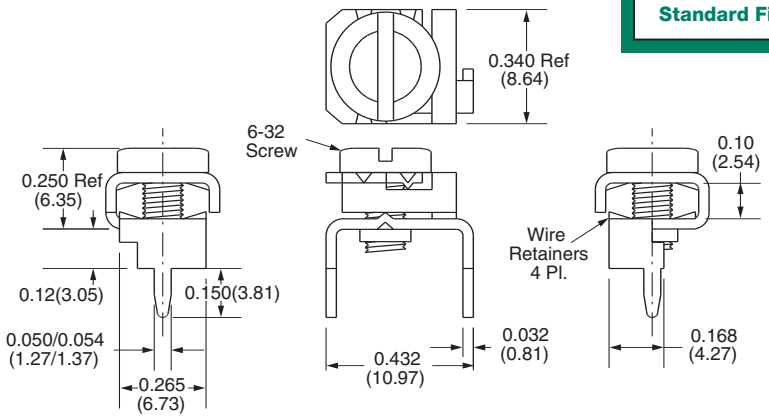




For exact finish specifications and available special finishes, see Finish Table (page 106).



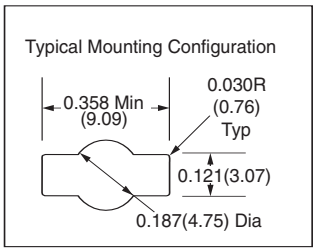
Loose Part No.	1030
Material Thickness/ Type	0.032" (0.81mm) Brass
Screw Type	Stainless Steel Binding Head 5/16" (7.92mm) x 6-32
Screw Position	Down until just touching surface of part
Standard Finish	100% Tin over Copper

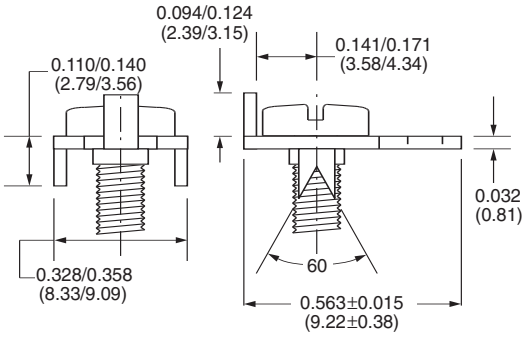


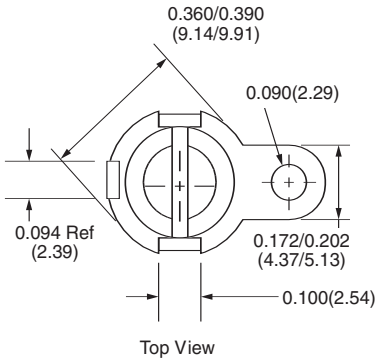
Note: Hidden Surfaces Not Shown to Maintain Illustration Clarity

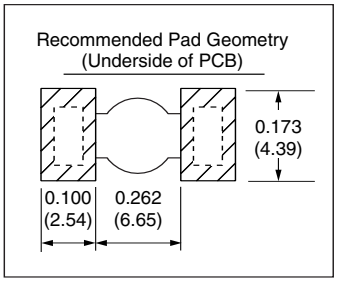
For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	792	348
Material Thickness/ Type	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
Standard FInish	100% Tin over Copper	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



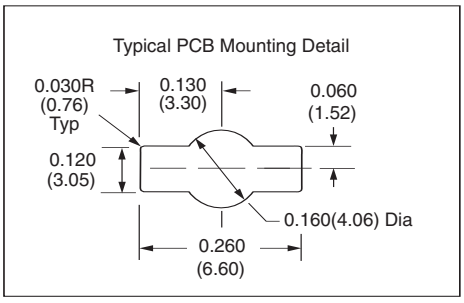


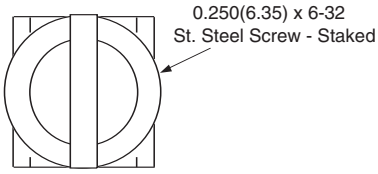


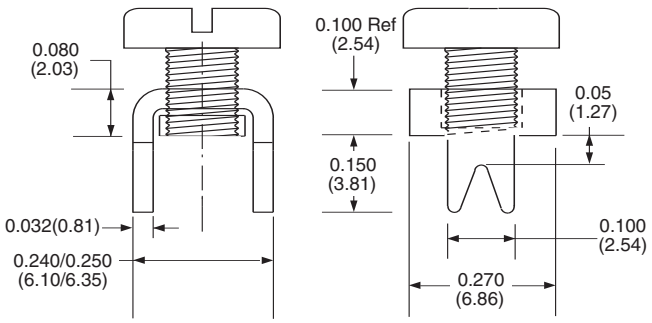


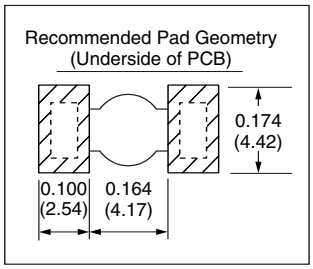
For exact finish specifications and available special finishes, see Finish Table (page 106).

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	Inserted, Staked and Backed-Out









For exact finish specifications and available special finishes, see Finish Table (page 106).

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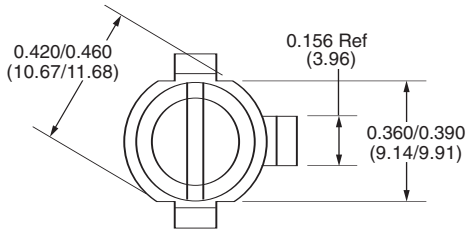
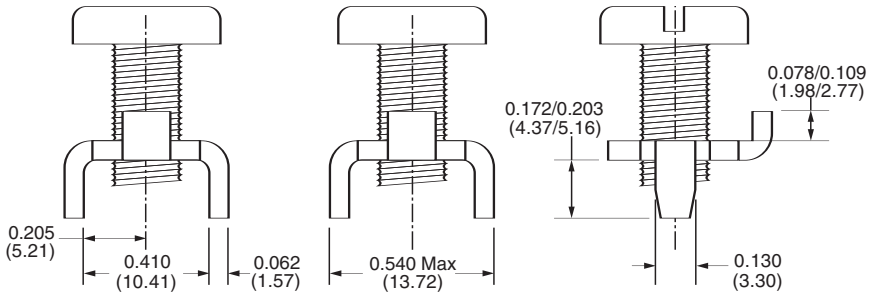
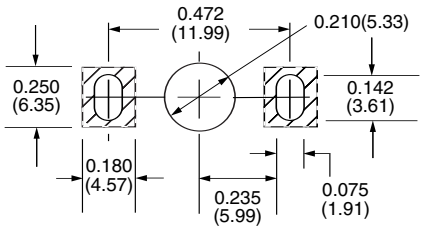


Loose Part No.*	928-No Screw	928
Material Thickness/ Type	0.062" (1.57) Brass	0.062" (1.57) Brass
Standard FInish	100% Tin over Copper	100% Tin over Copper
Screw Type	No Screw	Stainless Steel Binding Head 1/4" (6.35mm) x 10-32
Screw Position	No Screw	Inserted, Staked and Backed-Out

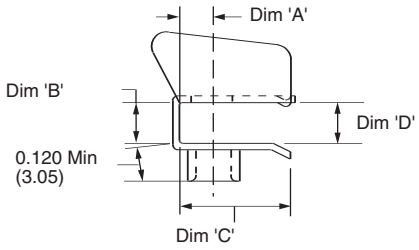
***Note:** Part also available with screw, unstaked (P/N 92-No Stake)



Typical PCB Mounting Configuration and Recommended Pad Geometry

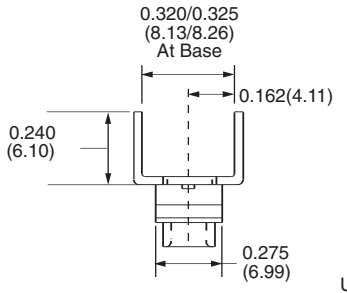


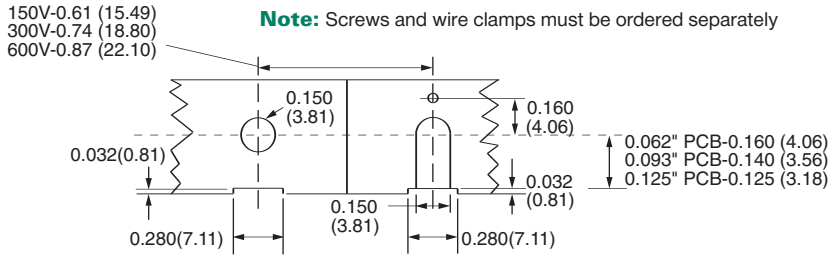
For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	M6111	M6112
Material Thickness/ Type	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
Standard FInish	100% Tin over Copper	
Screw Specifications	No Screw	No Screw
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)

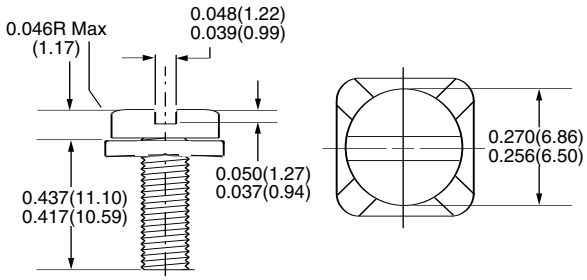
Note: Screws and wire clamps must be ordered separately





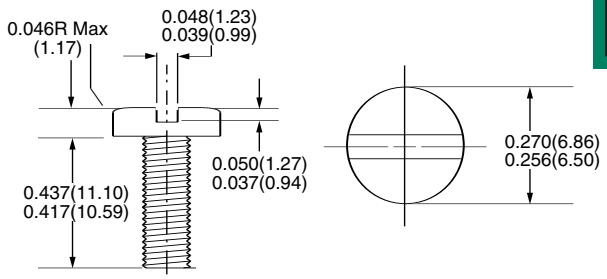
PCB Mounting Configuration for:
Unassembled Magterm Application Pre-Assembled Magterm Application

For exact finish specifications and available special finishes, see Finish Table (page 106).



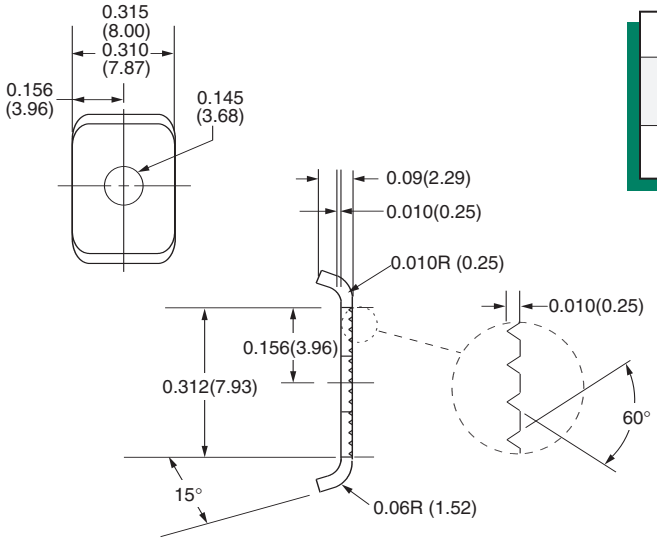
Loose Part No.	7/16 SEMS Screw
Material Thickness/ Type	Steel
Standard Finish	Zinc
Screw Type	7/16" (11.11mm) x 6-32 Screw with Integral Wire Clamp

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	7/16 632 BET SC
Material Thickness/ Type	Brass
Standard Finish	100% Tin
Screw Type	7/16" (11.11mm) x 6-32 Brass Binding Head Screw

For exact finish specifications and available special finishes, see Finish Table (page 106).



Loose Part No.	CPB 9030 Clamp
Material Thickness/ Type	0.032" (0.81mm) Brass
Standard Finish	100% Tin

For exact finish specifications and available special finishes, see Finish Table (page 106).

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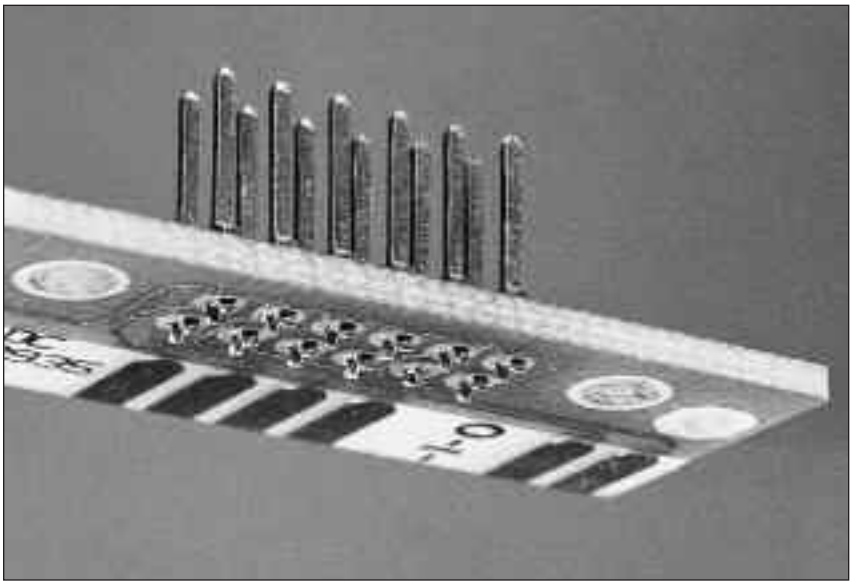


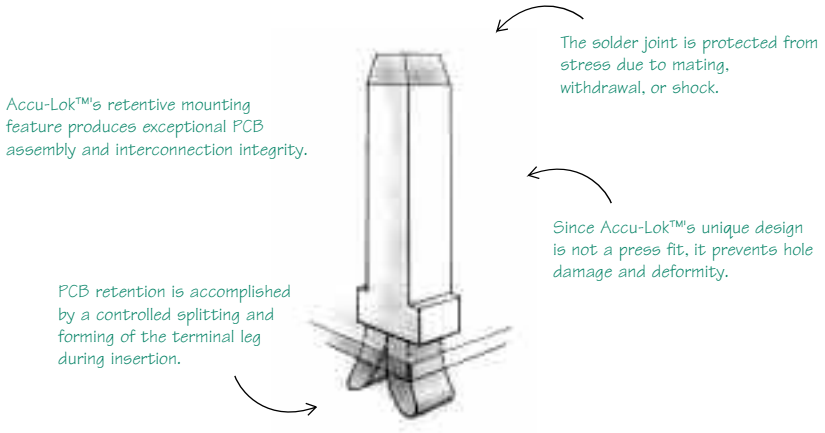
Unlike traditional press and compliant fit models, Accu-Post terminals feature a unique mounting design that improves PCB quality and reduces instances of fractured, loose or misaligned posts.

Accu-Post PCB mountable terminals, with Zierick's exclusive Accu- Lok™ retentive mounting feature, outperform all other interference fit, press fit and compliance fit type terminals. Developed for easy PCB assembly, Accu-Post terminals eliminate the need for the tight mounting hole tolerance required with traditional press and compliant fit terminals.

The Accu-Lok™ mounting leg design enters freely within the PCB mounting hole. It mounts without producing stress, deformation, cracks or warpage to the PCB. Retention is accomplished by a controlled splitting and forming of the terminal leg. With a mounting hole tolerance of ±0.003" (±0.076mm), this produces superior retentive strength, perpendicularity and solder joint integrity. Forces due to mating, withdrawal, vibration, shock, or temperature cycles are not transferred to the PCB solder joint. The instances of fractured, loose, or misaligned terminals and damaged solder joints are greatly reduced.

Accu-Post terminals are available in reeled format, in 0.045" (1.14mm) square and 0.031" x 0.062" (0.79mm x 1.57mm) post sizes. PCB assembly is accomplished with semi- and fully-automated applicators.

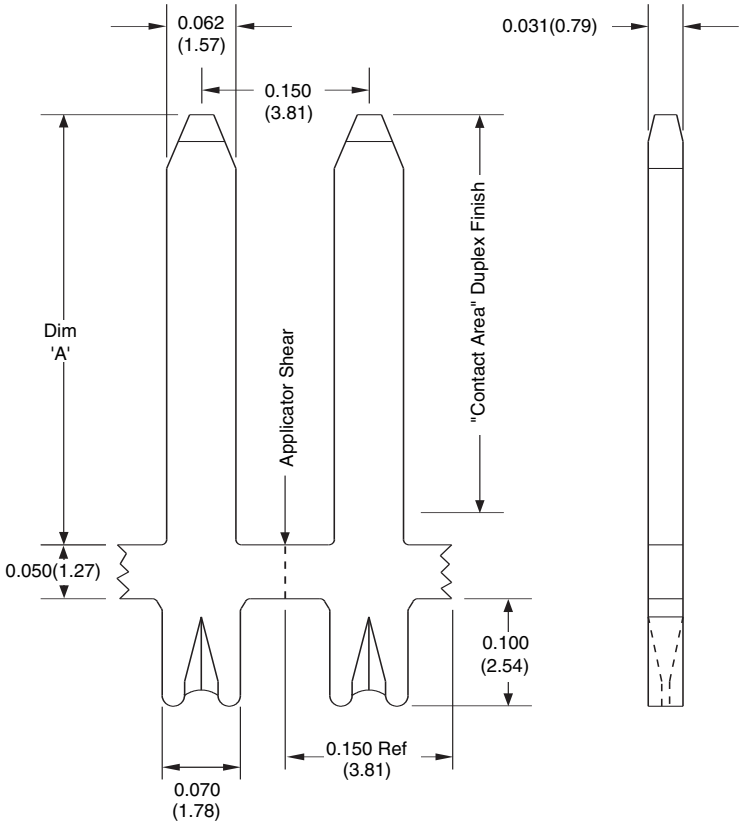
- Accu-Post terminals provide accurate, secure, PCB mounting.
- Accu-Lok™ mounting permits the use of mounting holes with a diameter tolerance of ±0.003" (±0.076mm).
- Accu-Lok™ mounting assures superior retentive strength, perpendicularity and solder joint integrity.
- The Accu-Lok™ mounting feature improves PCB quality as instances of fractured, missing or misaligned posts are eliminated.
- Assembly is achieved with Zierick semi- or fully-automatic assembly equipment.

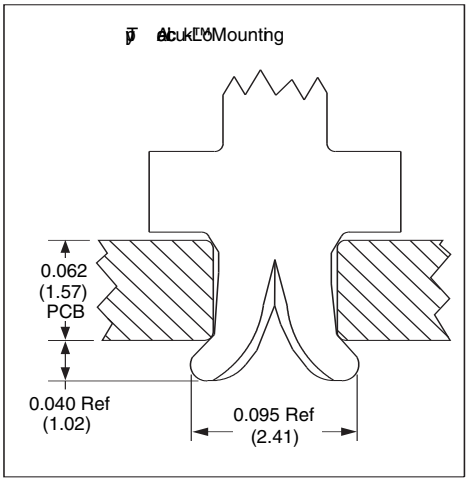


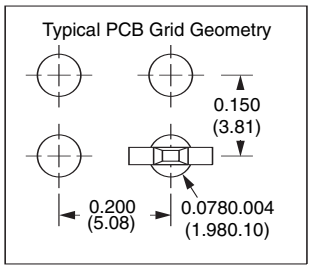
Accu-Lok™ is a trademark of Zierick Manufacturing Corporation.
U.S. Patent No. 5,017,159 and 5,082,460.

0.031" x 0.062" (0.79mm x 1.57mm) Accu-Post Terminals

Reeled Part Number	6073-350	6073-360	6073-380	6073-400	6073-490	6073-xxx-xxx
Dim 'A'	0.350" (8.89mm)	0.360" (9.14mm)	0.380" (9.65mm)	0.400" (10.16mm)	0.490" (12.45mm)	Customer Reqmt.
Mounting Type	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™
Material Thickness/ Type	0.031" (0.79mm) Brass	0.031" (0.79mm) Brass	0.031" (0.79mm) Brass	0.031" (0.79mm) Brass	0.031" (0.79mm) Brass	0.031" (0.79mm) Brass
Standard Finish	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper
Mounting Hole Diameter	0.078" (1.98mm)	0.078" (1.98mm)	0.078" (1.98mm)	0.078" (1.98mm)	0.078" (1.98mm)	0.078" (1.98mm)
Applicator System	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY







U.S. Patent No. 5,082,460 & 5,017,159

For exact finish specifications and available special finishes, see Finish Table (page 106).

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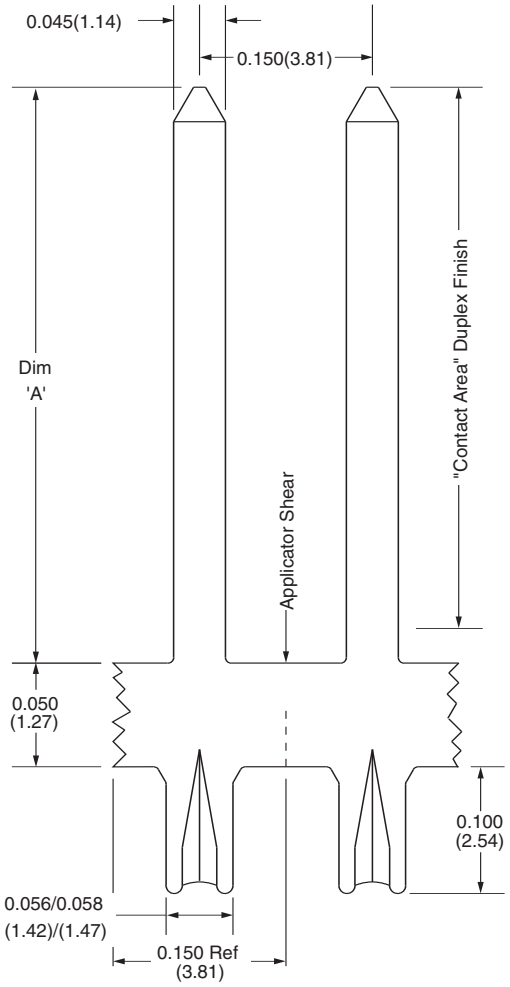
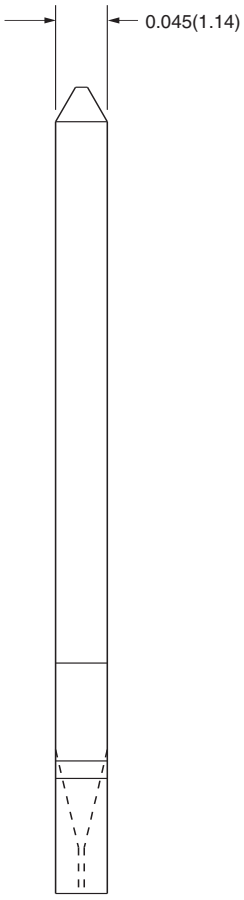
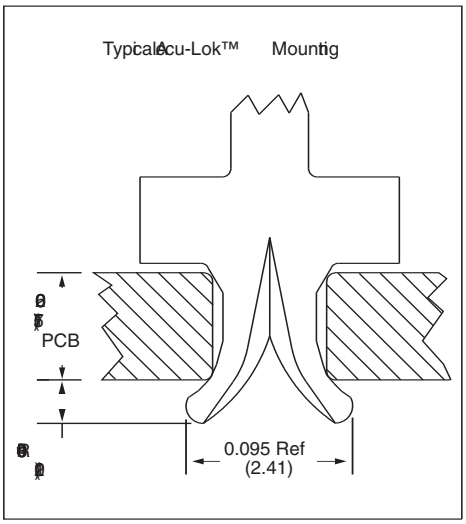
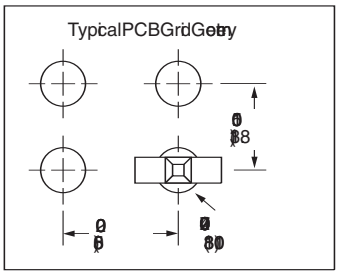
Made in U.S.A.

Reeled Part Number	6075-250	6075-312	6075-375	6075-450	6075-xxx
Dim 'A'	0.250" (6.35mm)	0.312" (7.92mm)	0.375" (9.53mm)	0.450" (11.43mm)	Consult Factory
Mounting Type	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™
Material Thickness/ Type	0.045" (1.14mm) Brass	0.045" (1.14mm) Brass	0.045" (1.14mm) Brass	0.045" (1.14mm) Brass	0.045" (1.14mm) Brass
Standard Finish	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper	100% Tin over Copper
Mounting Hole Diameter	0.072" (1.83mm)	0.072" (1.83mm)	0.072" (1.83mm)	0.072" (1.83mm)	0.072" (1.83mm)
Applicator System	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY	Model 9700, 9700 XY







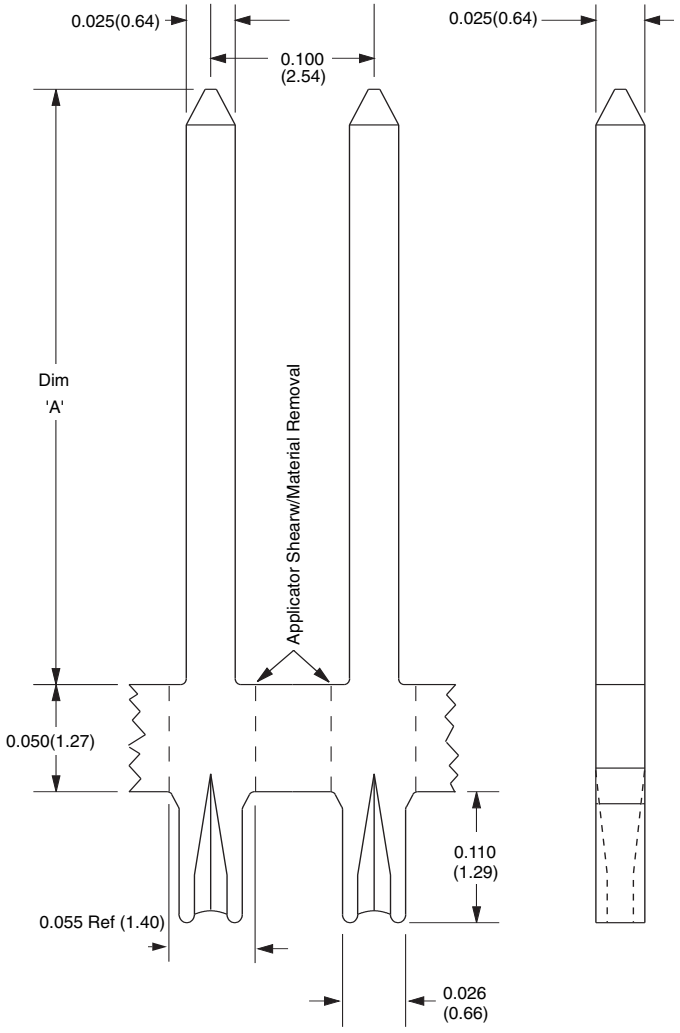


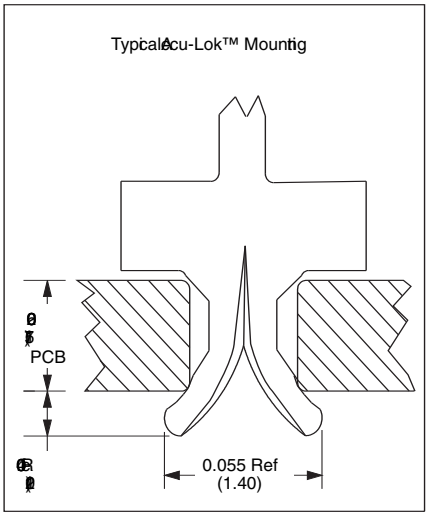
U.S. Patent No. 5,082,460 & 5,017,159

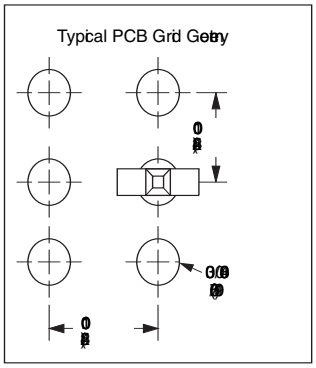
For exact finish specifications and available special finishes, see Finish Table (page 106).

0.025" (0.64mm) Square PCB Mountable Accu-Post Terminals

Reeled Part No.	Dim 'A'	Mounting Type	Material Thickness/Type	Standard Finish	Mounting Hole Diameter	Applicator System
6143-125-xxx	0.125" (3.18mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-250-xxx	0.250" (6.35mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-312-xxx	0.312" (7.92mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-375-xxx	0.375" (9.53mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-437-xxx	0.437" (11.10mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-500-xxx	0.500" (12.70mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-575-xxx	0.575" (14.61mm)	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY
6143-xxx-xxx	Customer Reqmt.	Accu-Lok™	0.025" (0.635mm) Brass	100% Tin over Copper	0.030"/0.043" (0.76mm/1.09mm)	Model 9700, 9700 XY







U.S. Patent No. 5,082,460 & 5,017,159

For exact finish specifications and available special finishes, see Finish Table (page 106).

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Model 9700 XY

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

Our complete line of insertion systems includes the Model 9700 XY, Model 9700 and Model 7000. All three models are designed to deliver economical, user-friendly insertion automation, and each brings specific benefits to help you get the most out of any application.

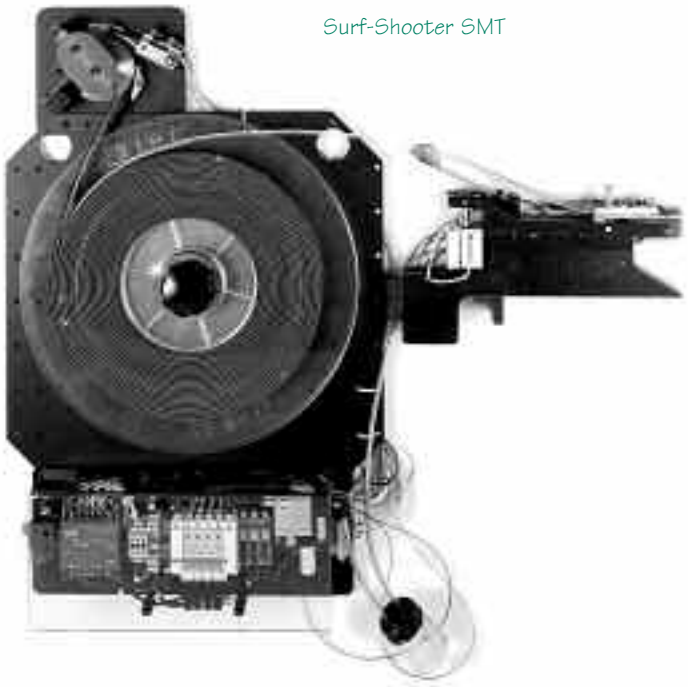
The Model 9700 XY, Model 7000 and Model 9700 feature:

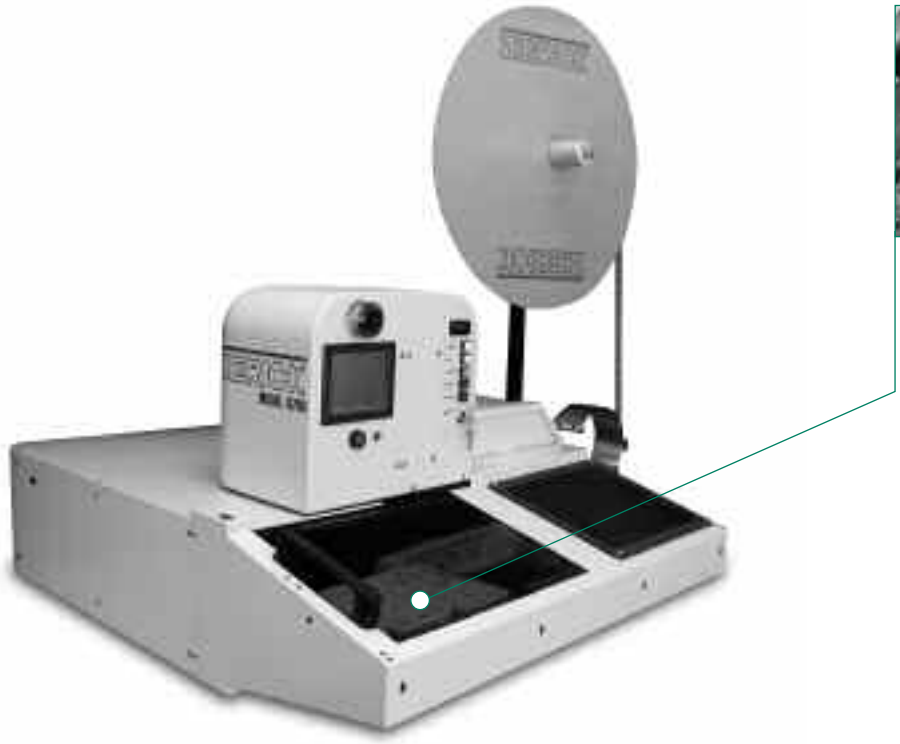
- Fast component delivery
- User-friendly operation
- Efficient insertion for a range of applications
- Compatibility with Zierick terminals and connectors
- Sturdy construction for long life
- Accurate, repeatable results
- Quick change tooling
- Fast cycle time

Zierick's Surface Mount terminal feeder is designed to be mounted on your placement system. It takes a reel of continuous strip terminals, shears them, and presents them to your placement system, eliminating the need for costly taping. With its own sophisticated on-board control system, this feeder 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.

Zierick's loose piece pin feeder feeds surface mount loose piece pins at feed rates greater than 1 pin/second. This presentation unit is readily mounted in the feeder bay of most flexible placement systems.

Surf-Shooter SMT





Zierick's Model 9700 XY Terminal Insertion System is fully automatic, with a machine cycle rate of over 5,000 pph.

Designed for maximum reliability, the Zierick Model 9700 XY Positioning System 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 system's interchangeable applicator tooling offers several features that improve overall performance. And its high-grade tool steel construction protects the unity, reduces chipping and breakage, and ensures accurate performance use after use.

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 touchscreen 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 99 programs with 150 position points each, all of which can be modified, deleted, or added to at any time during operation.

The 9700 XY has the capability to automatically check the validity of any series of taught insertion points.

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.

Benefits

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
- Ergonomic safety cover package
- Compact table top design
- Optional CE compliance

Air Requirements

- 90-120 PSI (6.2 - 8.3 bar)
- 8 CFM (3.8 L/S)

Power Requirements

- 120 VAC, 50-60 Hz, 2 AMPS
- Optional 100/240V, 50-60 Hz, 1 AMP

Dimensions

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

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The Model 9700

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, and 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.

Benefits

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
- Optional CE compliance

Air Requirements

- 90-120 PSI (6.2-8.3 bar)
- 8 CFM (3.8 L/S)

Power Requirements

- 120 VAC, 50-60 Hz, 2 AMPS
- Optional 100/240V, 50-60 Hz, 1 AMP

Dimensions

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

The Model 7000

For low- to medium-volume applications, the Model 7000 delivers cost-effective, semi-automated PCB terminal insertion. This powerful bench-top machine provides an output range of up to 2,000 pph, and operates pneumatically with a supply reel of continuous format, PCB-mountable terminals.

The easy-to-operate, pedal-activated unit incorporates an integral PCB locator with the terminal application tooling.

Benefits

Basic Features

- Output rates up to 2,000 pph
- Fully pneumatic operation

Air Requirements

- 60 PSI (4.1 bar)
- Dry air supply

Dimensions

- Height 45" (1143mm) with 30" (762mm) reel
- Depth 12" (305mm)
- Width 21" (533mm)
- Weight 90 lbs. (41Kgs)

PCB Terminal Hand Tool.

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.

- 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.

Zierick Terminals (Part Numbers) That Can Be Inserted With The PCB Terminal Insertion Hand Tool **

	Male - Tab		Female - Receptacle		
Terminal Dimensions	Standard	Stable-Lok	Standard	Stable-Lok	Insertion Tool
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	–	1025:1053	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"	836:906 972:953 953-MOD	1021:1041 1045:1057 1060:1061	– – –	1022:1037 – –	ZPT81-A* – –
0.110" x 0.020"	949	–	–	–	ZPT92-110*
0.110" x 0.032"	948	–	–	–	ZPT92-110*
0.187" x 0.020"	956 987	–	–	–	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	–	(Test Point) –	ZPT81-A*
0.250" x 0.032"	1033	1059	–	(Test Point) –	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 Manufacturing.
** Hand tools also available for other Zierick terminals; please consult factory.

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Application Tooling is available for the following part numbers.

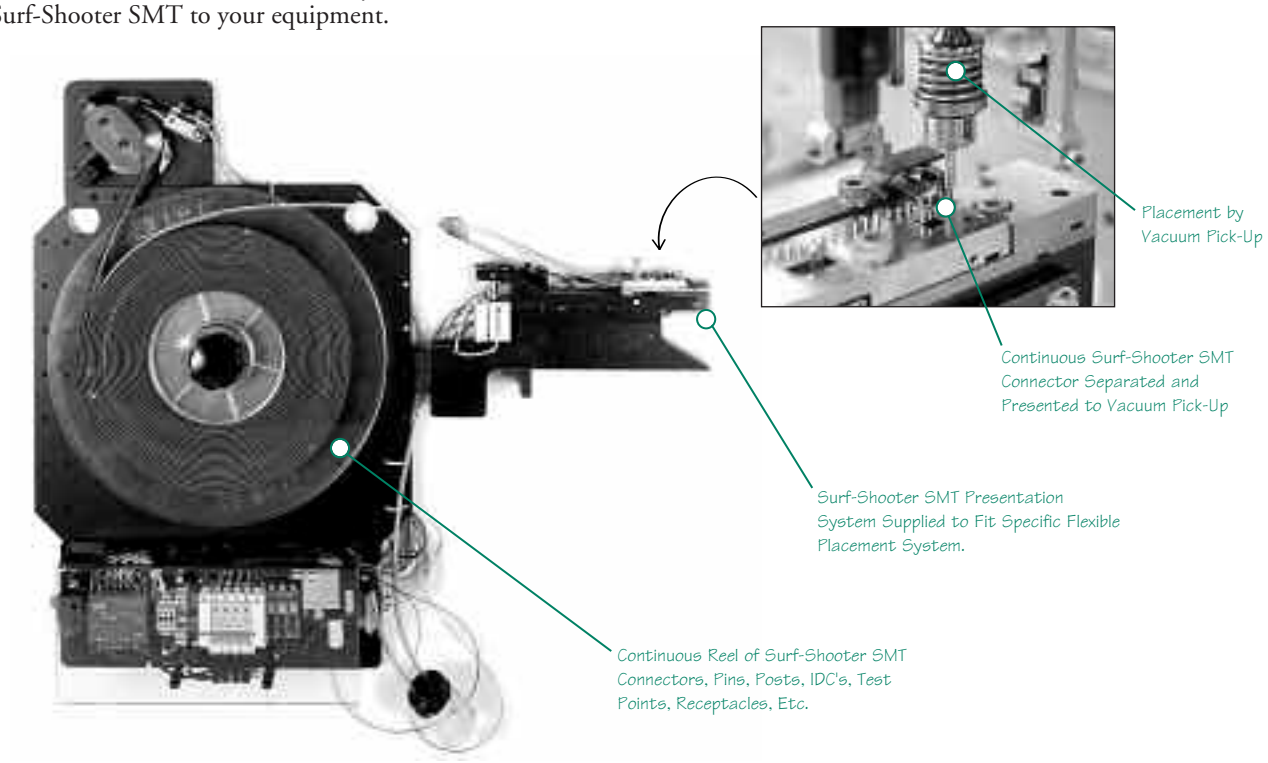
Part Number	Product Type	Tool Set	7000	9700	9700 XY
6021	Quick Disconnect Terminal	-7	✓	✓	✓
6022	Accu-Pak Receptacle	-8		✓	✓
6024	Quick Disconnect Terminal	-2C		✓	✓
6025	Accu-Pak Receptacle	-9		✓	✓
6026	Accu-Pak Receptacle	-9A		✓	✓
6027	Quick Disconnect Terminal	-2B		✓	✓
6032	Test Point Terminal	CF		✓	
6033	Test Point Terminal	CF		✓	
6037	Accu-Pak Receptacle	-8		✓	✓
6039	Torsion-Lok IDC	-11		✓	✓
6041	Quick Disconnect Terminal	-10	✓	✓	✓
6042	Quick Disconnect Terminal	-28		✓	✓
6045	Quick Disconnect Terminal	-19	✓	✓	✓
6057	Quick Disconnect Terminal	-20	✓	✓	✓
6058	Test Point Terminal	-14A		✓	✓
6059	Test Point Terminal	-14		✓	✓
6060	Quick Disconnect Terminal	-39	✓	✓	✓
6061	Quick Disconnect Terminal	-12		✓	✓
6062	Bottom Entry 4 Beam Receptacle	-23A		✓	✓
6062-xxx	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062-100	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062-101	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062-200	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062-300	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062-400	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6062	Bottom Entry 4 Beam Receptacle	-23		✓	✓
6063	Quick Disconnect Terminal	-17A	✓	✓	✓
6064	Quick Disconnect Terminal	-17	✓	✓	✓
6065	Quick Disconnect Terminal	-2C		✓	✓
6066	Quick Disconnect Terminal	-2B		✓	✓
6069	Test Point Terminal	-15A		✓	✓
6072	Torsion-Lok IDC	CF		✓	✓
6072-17	Torsion-Lok IDC	-31		✓	✓
6073-350	Accu-Post Terminal	-33 (X)		✓	✓
6073-360	Accu-Post Terminal	-33 (X)		✓	✓
6073-380	Accu-Post Terminal	-33 (X)		✓	✓
6073-400	Accu-Post Terminal	-33 (X)		✓	✓
6073-490	Accu-Post Terminal	-33 (X)		✓	✓
6073-xxx-x	Accu-Post Terminal	-33 (X)		✓	✓
6074-060-x	Accu-Post Terminal	-40		✓	✓
6074-xxx-x	Accu-Post Terminal	-32		✓	✓
6075-250	Accu-Post Terminal	-45 (X)		✓	✓
6075-312	Accu-Post Terminal	-45 (X)		✓	✓
6075-375-5	Accu-Post Terminal	-45 (X)		✓	✓
6075-450	Accu-Post Terminal	-45 (X)		✓	✓
6075-500	Accu-Post Terminal	-45 (X)		✓	✓
6075-625	Accu-Post Terminal	-45 (X)		✓	✓
6075-750	Accu-Post Terminal	-45 (X)		✓	✓
6075-875	Accu-Post Terminal	-45 (X)		✓	✓
6075-xxx-x	Accu-Post Terminal	-45 (X)		✓	✓
6075-930	Accu-Post Terminal	-45		✓	✓
6077	Quick Disconnect Terminal	-34	✓	✓	✓
6078	Quick Disconnect Terminal	-34A	✓	✓	✓
6080	Quick Disconnect Terminal	-27		✓	✓
6092	Accu-Pak Receptacle	-24		✓	✓
6101	Bottom Entry 2 Beam Receptacle	-57		✓	✓
6110	Quick Disconnect Terminal	-48		✓	✓
6112	Quick Disconnect Terminal	-37		✓	✓
6113	Quick Disconnect Terminal	-38		✓	✓
6114	Torsion-Lok IDC	-41		✓	✓
6115	Quick Disconnect Terminal	-43		✓	✓
6118	Accu-Pak Receptacle	-24		✓	✓
6119	Torsion-Lok IDC	CF		✓	
6123	Accu-Pak Receptacle	-8		✓	✓
6134	Quick Disconnect Terminal	-44A		✓	✓
6140	Quick Disconnect Terminal	-46A		✓	✓
6141	Quick Disconnect Terminal	-46		✓	✓
6142	Quick Disconnect Terminal	CF		✓	✓
6143-xxx	Accu-Post Terminal	-32		✓	✓
6148	Quick Disconnect Terminal	CF		✓	✓
6149	Quick Disconnect Terminal	CF		✓	✓
6152	Quick Disconnect Terminal	-27		✓	✓
6154	Accu-Pak Receptacle	-8		✓	✓
6166	Quick Disconnect Terminal	CF		✓	✓
6172	Quick Disconnect Terminal	-49		✓	✓
6173	Quick Disconnect Terminal	-50		✓	✓
6174	Torsion-Lok IDC	-51		✓	✓
6176	Wire Gripper	-52		✓	✓
6182	Torsion-Lok IDC	CF		✓	✓
6183	Torsion-Lok IDC	CF		✓	✓
6185	Torsion-Lok IDC	-78		✓	✓
6186	Quick Disconnect Terminal	-54		✓	✓
6187	Top Entry 2 Beam Receptacle	-23		✓	✓
6188	Accu-Pak Receptacle	-24		✓	✓
6193	Bottom Entry 2 Beam Receptacle	-23		✓	✓
6198	Quick Disconnect Terminal	-7	✓	✓	✓
6200	Bottom Entry 2 Beam Receptacle	-23		✓	✓
6201	Quick Disconnect Terminal	-55		✓	✓
6205	IDC Tab	-56		✓	✓
6212	Quick Disconnect Terminal	-20		✓	✓
6221	Accu-Pak Receptacle	-58		✓	✓
6224	Quick Disconnect Terminal	-20		✓	✓
6225	Accu-Pak Receptacle	-8		✓	✓
6241	Accu-Pak Receptacle	-9A		✓	
6259	Right Angle Tab	-61		✓	✓
6271	PCB Receptacle	-64		✓	✓
6834	Quick Disconnect Terminal	-3A	✓	✓	✓
6835	Quick Disconnect Terminal	-3	✓	✓	✓
6836	Quick Disconnect Terminal	-7	✓	✓	✓
6894	Quick Disconnect Terminal	-2C		✓	✓
6895	Quick Disconnect Terminal	-2B		✓	✓
6901	Quick Disconnect Terminal	-4		✓	✓
6948	Quick Disconnect Terminal	-6		✓	✓
6949	Quick Disconnect Terminal	-6A		✓	✓
6956	Quick Disconnect Terminal	-5A		✓	✓
6957	Quick Disconnect Terminal	-5		✓	✓

CF = Consult Factory

The Surf-Shooter SMT continuous strip feeder is a combination feed, shear and present station designed to mount on the feeder rack of your placement system. With its own sophisticated on-board control system, the Surf-Shooter SMT 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 SMT connectors are placed with no special machine modifications.

- Zierick's Surf-Shooter SMT continuous strip feeder feeds, shears and presents connectors and interconnection hardware.
- The Surf-Shooter SMT mounts on the feeder rack of your new or existing placement system.
- The Surf-Shooter SMT utilizes standard nozzles in most cases and requires no special machine modifications.
- The Surf-Shooter SMT is compatible with the following pick-and-place equipment: Fuji IP-II/IP-III, Panasonic MPA 80, Philips Eclipse CSM66, 84, Sanyo TCM.V550, Sanyo TIM 1000/1100/5000, Siemens MS-180, Siemens 80 F4, Universal GSM-1, GSM-11, Juki 460, 560, 700, 810, Quad, QSP-2, QAS30, and Meridian Series. Or allow us to easily retrofit Surf-Shooter SMT to your equipment.

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



U.S. Patent 5,605,430

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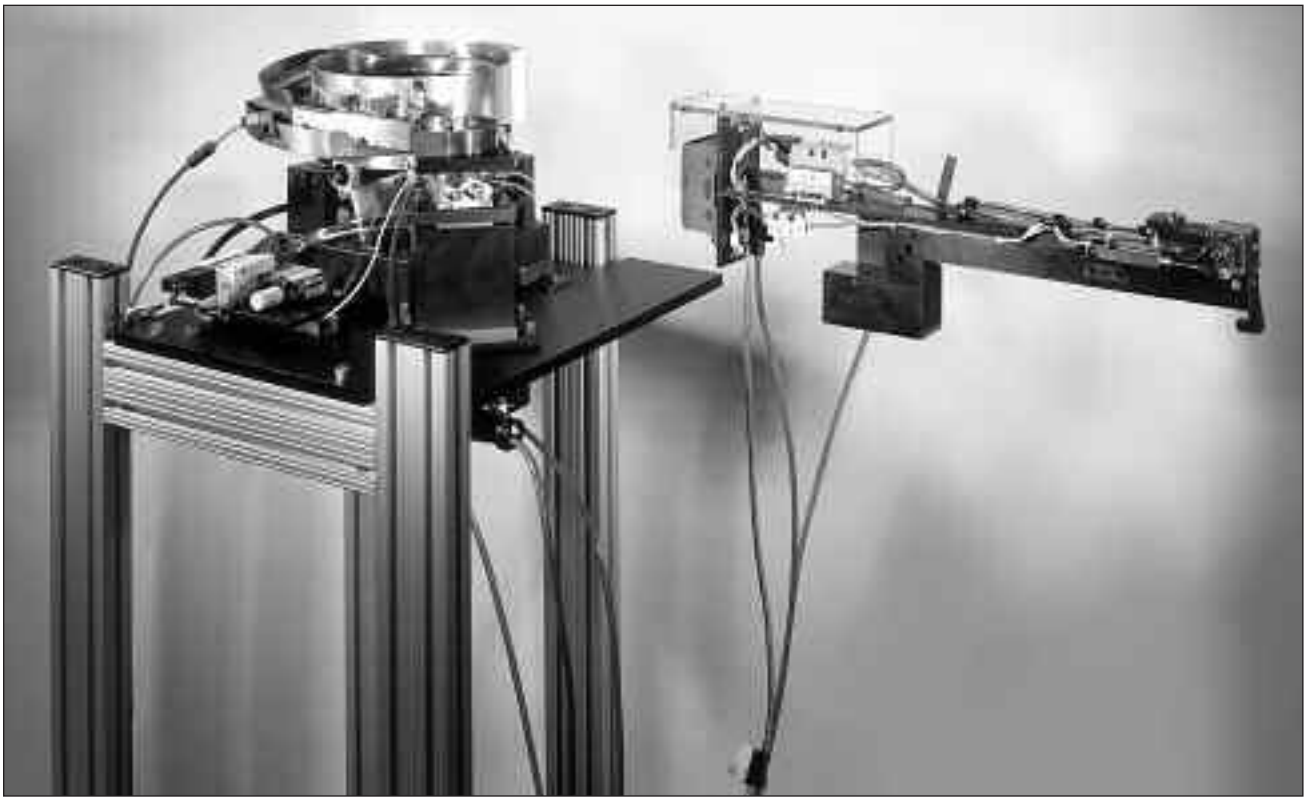
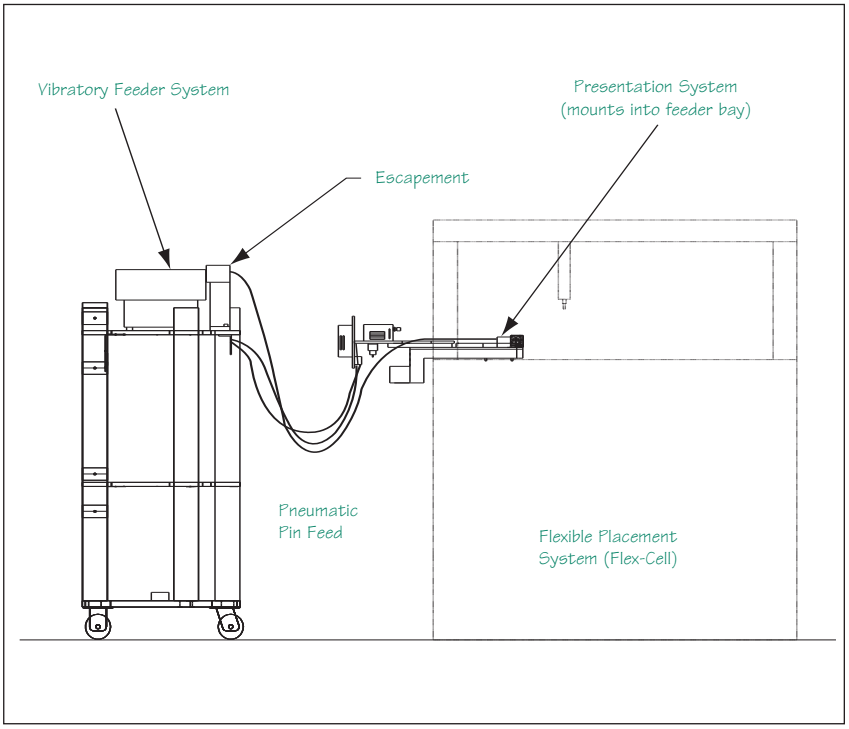


Zierick's Surf-Shooter SMT loose piece pin feeder feeds surface mount loose piece pins ranging in size from 0.025" (0.64mm) square to 0.080" (2.03mm) in diameter, up to 0.750" (19.05mm) in length, at feed rates greater than 1 pin/second. The Surf-Shooter SMT presentation unit is 3.750" (95.25mm) wide 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. Minor tooling changes are required to feed different pins.



Zierick Product Guarantee

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

Zierick's standard finish is a minimum of 150 millionths of 100% tin over a minimum of 100 millionths copper. If there is no dash after the Part Number, the finish is as stated in the catalog product description. Finishes other than standard are explained in the table below.

FINISH #	DESCRIPTION
0	0.000150" (0.0038mm) 100% 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
5	Cleaned and Polished
6	0.000150" (0.0038mm) 95/5 Tin/Lead over 0.000100" (0.0025mm) Copper
7	0.000100" (0.0025mm) Bright Tin
8	0.000100" (0.0025mm) Tin
9	No finish (Bare 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 Tin/Lead over 0.000100" (0.0025mm) Copper. Material edges will be bare.
13	Pre-Finished 0.000150" (0.0038mm) 100% Tin over 0.000100" (0.0025mm) Copper. Material edges will be bare.
14	0.000005" (0.00013mm) Gold over 0.000050" (0.0013mm) Nickel
19	0.00003" (0.00076mm) Gold over 0.000050" Min (0.0013mm) 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 ANSI/J-STD-002, category 3, test method appropriate to the test sample

This table does not represent all available finish types. Consult pages 107–111 to match part numbers with standard finish.
Finishes other than the standard will be special orders; pricing and availability may vary. Please consult factory.

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Part Number	Product Type	Base Material	Finish Code	Current Rating	Packaging	Pieces per Reel*	Page Number
7/16 632 BET SC	SC Screw	Brass	Tin	30	Loose	NA	94
7/16 SEMS SCREW	Screw	Steel	Zinc	30	Loose	NA	94
348	Screw Terminal	Brass	0	30	Loose	NA	92
731	Screw Terminal	Brass	0	30	Loose	NA	90
792	Screw Terminal	Brass	0	30	Loose	NA	92
798	Fuse Clip Receptacle	Brass	0	15	Loose	NA	79
834	Tab Quick Disconnect Terminal	Brass	0	10	Loose	NA	41
835	Tab Quick Disconnect Terminal	Brass	0	10	Loose	NA	41
836 / 836-TAPE	Tab Quick Disconnect Terminal	Brass	0	20	Loose / Taped	25 M	49
892	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
893	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
894	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	43
895	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	43
901	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	54
906	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	49
926	Fuse Clip Receptacle	Brass	0	15	Loose	NA	79
927	Fuse Clip Receptacle	Brass	0	15	Loose	NA	79
928-No Screw	Screw Terminal	Brass	0	30	Loose	NA	93
928	Screw Terminal	Brass	0	30	Loose	NA	93
934 ST.S	Screw Terminal	Brass	0	30	Loose	NA	90
934 ST. SC	Screw Terminal	Brass	0	30	Loose	NA	90
934 MSS	Screw Terminal	Brass	0	30	Loose	NA	90
948	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	42
949	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	42
953	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	53
953-MOD	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	52
956 / 956-No Hole	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
957	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
972	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	51
972-TAB	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	51
983	Accu-Pak ™ Receptacle	Brass	0	10	Loose	NA	72
984	Accu-Pak ™ Receptacle	Brass	0	10	Loose	NA	72
990	Fuse Clip Receptacle	Brass	0	15	Loose	NA	78
1021	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	48
1022	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	69
1024	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	43
1025	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	68
1026	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	68
1027	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	43
1030	Screw Terminal	Brass	0	30	Loose	NA	91
1032	Test Point Terminal	Brass	0	10	Loose	NA	58
1033	Test Point Terminal	Brass	0	10	Loose	NA	58
1037	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	69
1039	Torsion-Lok ™ IDC	Brass	0	20	Loose	NA	82
1041	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	50
1042	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	45
1045	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	50
1047	Fuse Clip Receptacle	Brass	0	15	Loose	NA	78
1048	Fuse Clip Receptacle	Brass	0	15	Loose	NA	78
1049-030	Test Point Terminal	Brass	0	10	Loose	NA	58
1050-030	Test Point Terminal	Brass	0	10	Loose	NA	58
1057	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	50
1058	Test Point Terminal	Brass	0	10	Loose	NA	57
1059	Test Point Terminal	Brass	0	10	Loose	NA	57
1060	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	49
1061	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	48
1062	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	63
1062-101	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	64
1062-200	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	63
1062-300	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	63
1062-400	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	63
1063	Tab Quick Disconnect Terminal	Brass	0	10	Loose	NA	41
1064	Tab Quick Disconnect Terminal	Brass	0	10	Loose	NA	41

See page 106 for finish code detail.
* M = 1,000

Part Number	Product Type	Base Material	Finish Code	Current Rating	Packaging	Pieces per Reel*	Page Number
1065	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
1066	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	47
1069	Test Point Terminal	Brass	0	10	Loose	NA	57
1072	IDC for #19-18 AWG Magnet Wire	Brass	0	15	Loose	NA	84
1077	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	45
1090	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	71
1092	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	75
1092-HTA	High Performance Universal Tab Receptacle	Alloy C7025	0	30	Loose	NA	35
1093	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	71
1108	Screw Terminal	Brass	0	30	Loose	NA	90
1112	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	52
1113	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	52
1115	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	48
1116	Screw Terminal	Pre-Tinned Brass	11	30	Loose	NA	91
1116 ST.S	Screw Terminal	Pre-Tinned Brass	11	30	Loose	NA	91
1117	Screw Terminal	Pre-Tinned Brass	11	30	Loose	NA	91
1117 ST.S	Screw Terminal	Pre-Tinned Brass	11	30	Loose	NA	91
1118	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	76
1119	Torsion-Lok ™ IDC	Brass	0	30	Loose	NA	82
1123	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	69
1131	Tab Quick Disconnect Terminal	Brass	0	30	Loose	NA	54
1133	Accu-Pak ™ Receptacle	Brass	0	25	Loose	NA	73
1141	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	44
1154	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	70
1158 ST.S	Screw Terminal	Brass	0	30	Loose	NA	92
1166	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	46
1172	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	45
1173	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	53
1174	Torsion-Lok ™ IDC	Brass	0	20	Loose	NA	83
1176	Wire Gripper	Brass	0	20	Loose	NA	88
1179 / 1179T	SMT Jumper	Copper	0	25	Loose / Taped	7 M	24
1182	Torsion-Lok ™ IDC	Brass	0	10	Loose	NA	81
1183	Torsion-Lok ™ IDC	Brass	0	10	Loose	NA	81
1184 / 1184T	SMT Fuse Clip Connector	Phosphor Bronze	0	15	Loose / Taped	.75 M	28
1185	Torsion-Lok ™ IDC	Brass	0	20	Loose	NA	83
1187	Top Entry 2 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	66, 87
1188	Accu-Pak ™ Receptacle	Brass	0	20	Loose	NA	76
1193	Bottom Entry 2 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	65
1195 / 1195TG	SMT Quick Disconnect Terminal	Brass	0	25	Loose / Taped	2 M	10
1198	Tab Quick Disconnect Terminal	Brass	0	20	Loose	NA	48
1200	Bottom Entry 2 Beam Receptacle	Phosphor Bronze	0	10	Loose	NA	65
1201	Tab Quick Disconnect Terminal	Brass	0	10	Loose	NA	41
1202 ST.S	Screw Terminal	Pre-Tinned Brass	11	30	Loose	NA	91
1213-680	SMT Surface Mount Pin	Brass	0	22	Loose	NA	4
1216	Surface Mount Post	Brass	0	8	Loose	NA	4
1222	Surface Mount Post	Brass	0	8	Loose	NA	4
1225	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	70
1227	SMT IDC	Brass	0	20	Loose	NA	23
1230 / 1230T	SMT Fuse Clip	Phosphor Bronze	0	15	Loose / Taped	1.05 M	28, 29
1235 / 1235T	SMT IDC	Brass	0	20	Loose / Taped	2.5 M	22
1237 / 1237T	SMT Top-Entry Receptacles	Brass	0	25	Loose / Taped	.9 M	26, 29
1238 / 1238T	SMT Bottom-Entry Receptacles	Brass	0	25	Loose / Taped	.9 M	26
1241	Accu-Pak ™ Receptacle	Brass	0	15	Loose	NA	68
1242-375-SP	SMT Surface Mount Pin	Brass	SP	11	Loose	NA	4
1244	SMT Quick Disconnect Terminal	Brass	0	20	Loose	NA	11
1245 / 1245T	SMT IDC	Brass	0	20	Loose / Taped	2 M	22
1248-580	SMT Surface Mount Pin	Brass	0	15	Loose	NA	4
1258-xxx-0	SMT Board Stacking Connector	Brass	0	10	Loose	NA	19
1260 / 1260T	SMT Socket	Beryllium Copper	3	7	Loose / Taped	2.8 M	30
1261T	PN 1258-090-0 in Tape	Brass	0	10	Taped	2.5 M	19
1262 / 1262T, 1262TH	SMT Top- or Bottom-Entry Box Receptacle	Phosphor Bronze	0	20	Loose / Taped	.5M, 2.2 M	23, 27
1264	SMT Z-Axis Compliant Pin	Copper	0	8	Loose	NA	9
1266	SMT Dual Entry Box Receptacle	Phosphor Bronze	0	20	Loose	NA	27

See page 106 for finish code detail.
* M = 1,000

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Part Number	Product Type	Base Material	Finish Code	Current Rating	Packaging	Pieces per Reel*	Page Number
1275 / 1275T / 1275TH	High Performance SMT Box Receptacle	Alloy C7025	0	15	Loose / Taped	.63M, 2M	34
1276	SMT Post	Brass	0	15	Loose	NA	6
1277	SMT Box Receptacle	Phosphor Bronze	0	10	Loose	NA	28
1277TH / 1277TV-G / TV-N	SMT Box Receptacle In Tape	Phosphor Bronze	0	10	Taped	3.4M, 2M, 2M	28
1278	SMT Quick Disconnect Terminal	Brass	0	20	Loose	NA	12
1279 / 1279T	SMT Socket	Beryllium Copper	3	7	Loose / Taped	2.8 M	31
1280 / 1280T	SMT Socket	Beryllium Copper	3	7	Loose / Taped	2.8 M	31
1281 / 1281TG	SMT Quick Disconnect Terminal	Brass	0	20	Loose / Taped	2 M	12
6021	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	48
6022	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	5 M	69
6024	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	43
6025	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	8 M	68
6026	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	8 M	68
6027	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	12.5 M	43
6032	Test Point Terminal	Brass	0	10	Reeled	25 M	58
6033	Test Point Terminal	Brass	0	10	Reeled	25 M	58
6037	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	5 M	69
6041	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	50
6042	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	45
6045	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	50
6049-030	Test Point Terminal	Brass	0	10	Reeled	20 M	58
6050-030	Test Point Terminal	Brass	0	10	Reeled	20 M	58
6057	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	50
6058	Test Point Terminal	Brass	0	10	Reeled	25 M	57
6059	Test Point Terminal	Brass	0	10	Reeled	25 M	57
6060	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	49
6061	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	48
6062	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	63
6062-101	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	64
6062-200	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	63
6062-400	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	63
6063	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	20 M	41
6064	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	20 M	41
6065	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	47
6066	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	12.5 M	47
6069	Test Point Terminal	Brass	0	10	Reeled	50 M	57
6072	IDC for #19-18 AWG Magnet Wire	Brass	0	15	Reeled	7 M	84
6073-350	Accu-Post Terminal	Brass	0	10	Reeled	25 M	96
6073-360	Accu-Post Terminal	Brass	0	10	Reeled	25 M	96
6073-380	Accu-Post Terminal	Brass	0	10	Reeled	25 M	96
6073-400	Accu-Post Terminal	Brass	0	10	Reeled	25 M	96
6073-490	Accu-Post Terminal	Brass	0	10	Reeled	25 M	96
6075-250	Accu-Post Terminal	Brass	0	10	Reeled	15 M	97
6075-312	Accu-Post Terminal	Brass	0	10	Reeled	15 M	97
6075-375	Accu-Post Terminal	Brass	0	10	Reeled	15 M	97
6075-450	Accu-Post Terminal	Brass	0	10	Reeled	15 M	97
6075-xxx	Accu-Post Terminal	Brass	0	10	Reeled	15 M	97
6077	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	13 M	45
6078	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	13 M	45
6080	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	5.5 M	55
6090	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	7.5 M	71
6092	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	4 M	75
6092-HTA	High Performance Universal Tab Receptacle	Alloy C7025	0	30	Reeled	4 M	35
6093	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	7.5 M	71
6100	Accu-Pak ™ Receptacle	Phosphor Bronze	0	3	Reeled	10 M	61
6101	Accu-Pak ™ Receptacle	Phosphor Bronze	0	3	Reeled	10 M	62
6110	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	12.5 M	53
6112	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	10 M	52
6113	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	10 M	52
6114	Torsion-Lok ™ IDC	Brass	0	10	Reeled	6.5 M	81
6115	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	12.5 M	48
6118	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	4 M	76
6119	Torsion-Lok ™ IDC	Brass	0	30	Reeled	6.5 M	82

See page 106 for finish code detail.
* M = 1,000

Part Number	Product Type	Base Material	Finish Code	Current Rating	Packaging	Pieces per Reel*	Page Number
6120	Accu-Pak ™ Receptacle	Brass	0	25	Reeled	3 M	74
6123	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	5 M	69
6134	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	7 M	44
6140	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	44
6141	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	44
6142	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	44
6143-125-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-250-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-312-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-375-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-437-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-500-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6143-575-xxx	Accu-Post Terminal	Brass	0	8	Reeled	15 M	98
6148	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	46
6149	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	46
6152	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	5.5 M	55
6154	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	5 M	70
6172	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	5 M	45
6173	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	5 M	53
6174	Torsion-Lok ™ IDC	Brass	0	20	Reeled	4 M	83
6176	Wire Gripper	Brass	0	20	Reeled	3.5 M	88
6179	SMT Jumper	Copper	0	25	Reeled	20 M	24
6182	Torsion-Lok ™ IDC	Brass	0	10	Reeled	15 M	81
6183	Torsion-Lok ™ IDC	Brass	0	10	Reeled	15 M	81
6184	SMT Fuse Clip Connector	Phosphor Bronze	0	15	Reeled	2 M	28
6185	Torsion-Lok ™ IDC	Brass	0	20	Reeled	12.5 M	83
6186	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	42
6187	Top Entry 2 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	66, 87
6188	Accu-Pak ™ Receptacle	Brass	0	20	Reeled	3.5 M	76
6193	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	65
6195 / 6195TZ	SMT Tab Quick Disconnect Terminal	Brass	0	25	Reeled	2 M	11
6198	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	48
6200	Bottom Entry 4 Beam Receptacle	Phosphor Bronze	0	10	Reeled	5 M	65
6201	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	20 M	41
6205	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	85
6212	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	51
6216	Surface Mount Post	Brass	0	8	Reeled	7 M	4
6222	Surface Mount Post	Brass	0	8	Reeled	7 M	4
6224	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	51
6225	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	5 M	70
6227	SMT IDC	Brass	0	20	Reeled	2.2 M	23
6230	SMT Fuse Clip	Phosphor Bronze	0	15	Reeled	2 M	28, 29
6233-AAAA-140	SMT Variable Size Jumper	Copper	12	Varies	Reeled	Varies	24
6233-AAAA-BBB	SMT Variable Size Jumper	Copper	12	Varies	Reeled	Varies	24
6241	Accu-Pak ™ Receptacle	Brass	0	15	Reeled	6 M	68
6244	SMT Tab Quick Disconnect Terminal	Brass	0	20	Reeled	3 M	11
6262	SMT Top- or Bottom-Entry Receptacle	Phosphor Bronze	0	20	Reeled	5 M	23, 27
6264	SMT Z-Axis Compliant Pin	Copper	0	8	Reeled	7 M	9
6266	SMT Dual Entry Box Receptacle	Phosphor Bronze	0	20	Reeled	1.5 M	27
6267	Tab Quick Disconnect Terminals	Brass	0	15	Reeled	10 M	43
6275	High Performance SMT Box Receptacle	Alloy C7025	0	15	Reeled	5 M	34
6277	SMT Box Receptacle	Phosphor Bronze	0	10	Reeled	5 M	28
6278	SMT Quick Disconnect Terminal	Brass	0	20	Reeled	2 M	12
6281	SMT Quick Disconnect Terminal	Brass	0	20	Reeled	2 M	12
6282	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	15 M	44
6834	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	20 M	41
6835	Tab Quick Disconnect Terminal	Brass	0	10	Reeled	20 M	41
6836	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	12.5 M	49
6894	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	15 M	43
6895	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	25 M	43
6901	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	54
6948	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	5 M	42
6949	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	42

See page 106 for finish code detail.
* M = 1,000

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Part Number	Product Type	Base Material	Finish Code	Current Rating	Packaging	Pieces per Reel*	Page Number
6956	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	46
6957	Tab Quick Disconnect Terminal	Brass	0	20	Reeled	6 M	46
A1-xxx-xx	SMT Surface Mount Pins	Brass	0, 19, SP	8 / Pin	Loose	NA	4
A-2056	SMT Shoulder Pin	Copper	0	25	Loose	NA	6
A2-680	SMT Surface Mount Solid Pins	Brass	0	15	Loose	NA	5
A3-680	SMT Surface Mount Solid Pins	Brass	0	20	Loose	NA	5
A4-680	SMT Surface Mount Solid Pins	Brass	0	25	Loose	NA	5
CPB 9030	Wire Clamp	Brass	0	30	Loose	NA	94
D2-480-A	SMT Shoulder Pin	Copper	0	24	Loose	NA	6
H-x-xx-xxx-x	SMT Pin-Headers	Varies	Varies	8 / Pin	Loose / Strip	NA	14
IPC-4 / IPC-4T	SMT Fine Wire Connector	Brass	NA	2 / blade	Loose / Taped	.90 M	21
IPC-4-45 / IPC-4-45T	SMT Fine Wire Connector	Brass	NA	2 / blade	Loose / Taped	.90 M	21
M6111	MAGTERM Screw Terminal	Brass	0	30	Loose	NA	93
M6112	MAGTERM Screw Terminal	Brass	0	30	Loose	NA	93

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.

See page 106 for finish code detail.
* M = 1,000

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