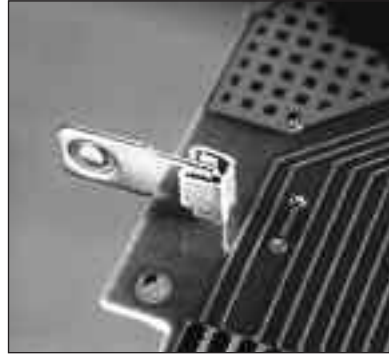
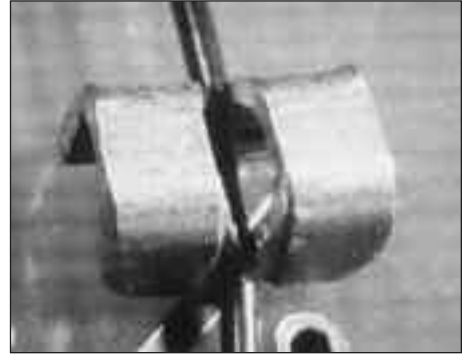


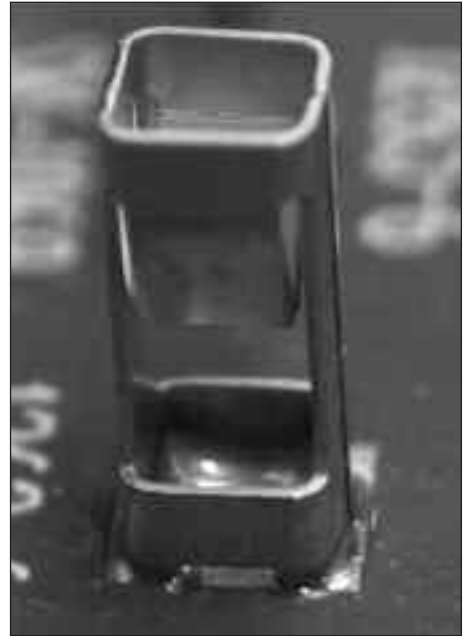
Top Left: These Universal Tab Receptacles mate with a range of tabs from .025" to .032" thick and widths from .062" wide and larger. They have low insertion forces and are forgiving for mating misalignment.



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.

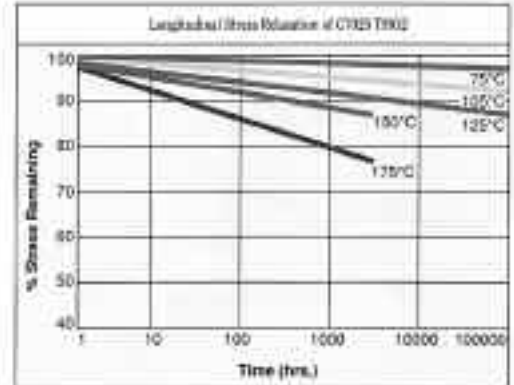
Stress relaxation is a critical inherent property of the material since the spring design feature in many receptacles is needed to maintain reliable connections at elevated temperatures. The tables below illustrate the various physical attributes of Alloy C7025.

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

Physical and Engineering Properties of C7025

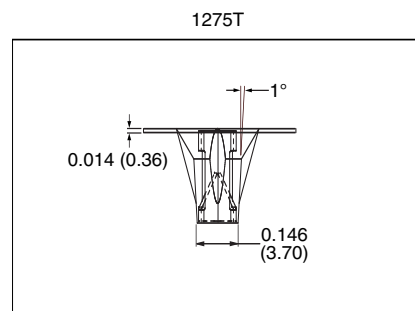
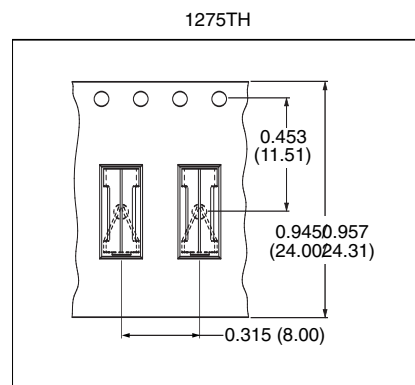
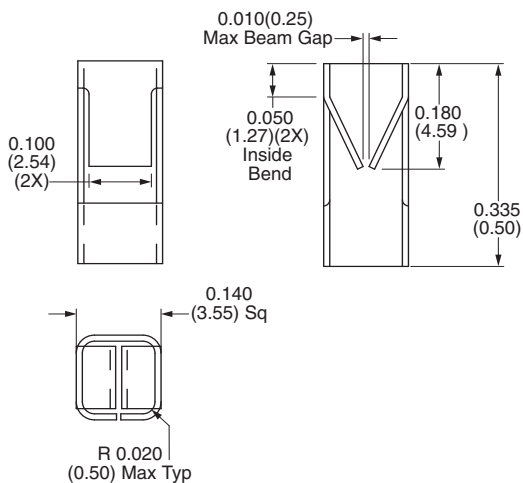
Physical Properties:	English Units	Metric Units
Melting Point (Liquid)	2003°F	1096°C
Melting Point (Solid)	1967°F	1075°C
Density	.318 lb/in <sup>3</sup>	8.82 gm/cm <sup>3</sup>
Thermal Conductivity	85-110 Btu/ft <sup>2</sup> -hr-°F @ 68° F	0.36-0.45 cal/cm <sup>2</sup> -sec-°C @ 20°C
Electrical Resistivity	25.9 ohm-cmil/mil @ 68° F	4.5 microhm-cm @ 20°C
Electrical Conductivity		
TR62	40% I.A.C.S. † @ 68°F Min.	0.23 megohm-cm @ 20°C
TM00	40% I.A.C.S. † @ 68°F Min.	0.23 megohm-cm @ 20°C
TM02 & TM02sp	40% I.A.C.S. † @ 68°F Min.	0.23 megohm-cm @ 20°C
TM63	95% I.A.C.S. † @ 68°F Min.	0.20 megohm-cm @ 20°C
TH03	50% I.A.C.S. † @ 68°F Min.	0.25 megohm-cm @ 20°C
Modulus of Elasticity (Tensile)	13,000,000 psi	131 kN/mm <sup>2</sup>

† International Annealed Copper Standard

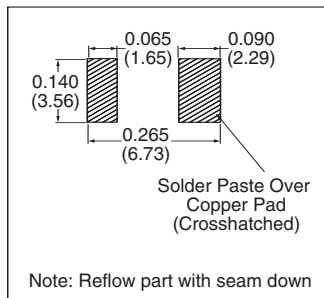


# High Performance SMT Box Receptacle

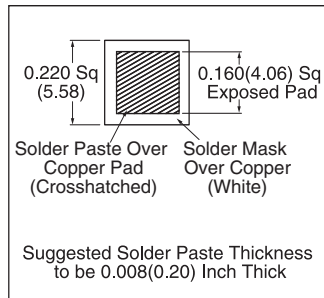
Loose Part No.	Reeled Part No.	Taped Part No.	Mating Terminal Size
1275	6275	1275T 1275TH	0.025" (0.64mm) and 0.032" (0.81mm) Round or Square
<b>Application Data</b>			
<b>Mounting Type</b>	Surface Mount	<b>Mating Entry</b>	Top and Bottom
<b>Material Thickness/Type</b>	0.010 (0.25mm) Alloy C7025	<b>Applicator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



Suggested Copper Pad Layout for Horizontal Mount

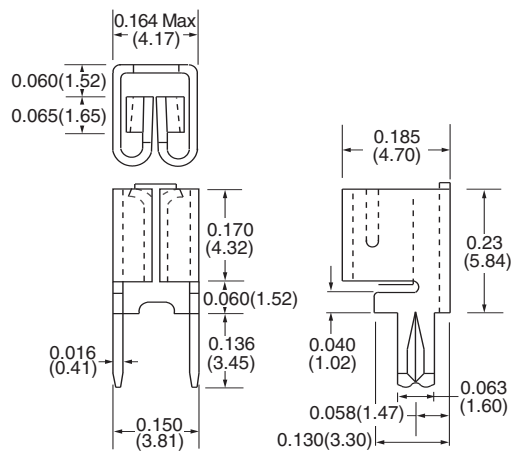
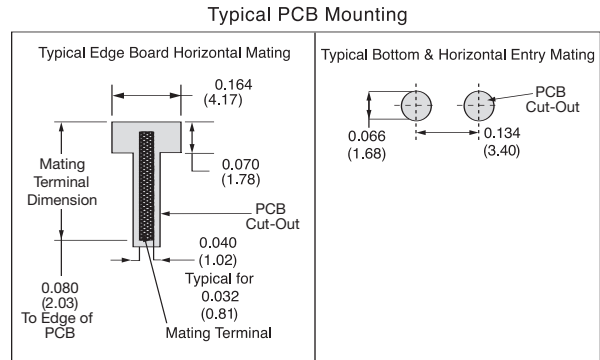
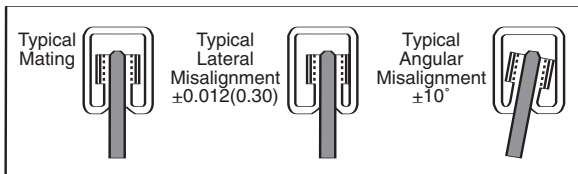
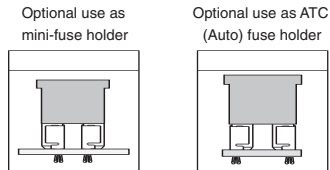


Suggested Copper Pad Layout for Vertical Mount

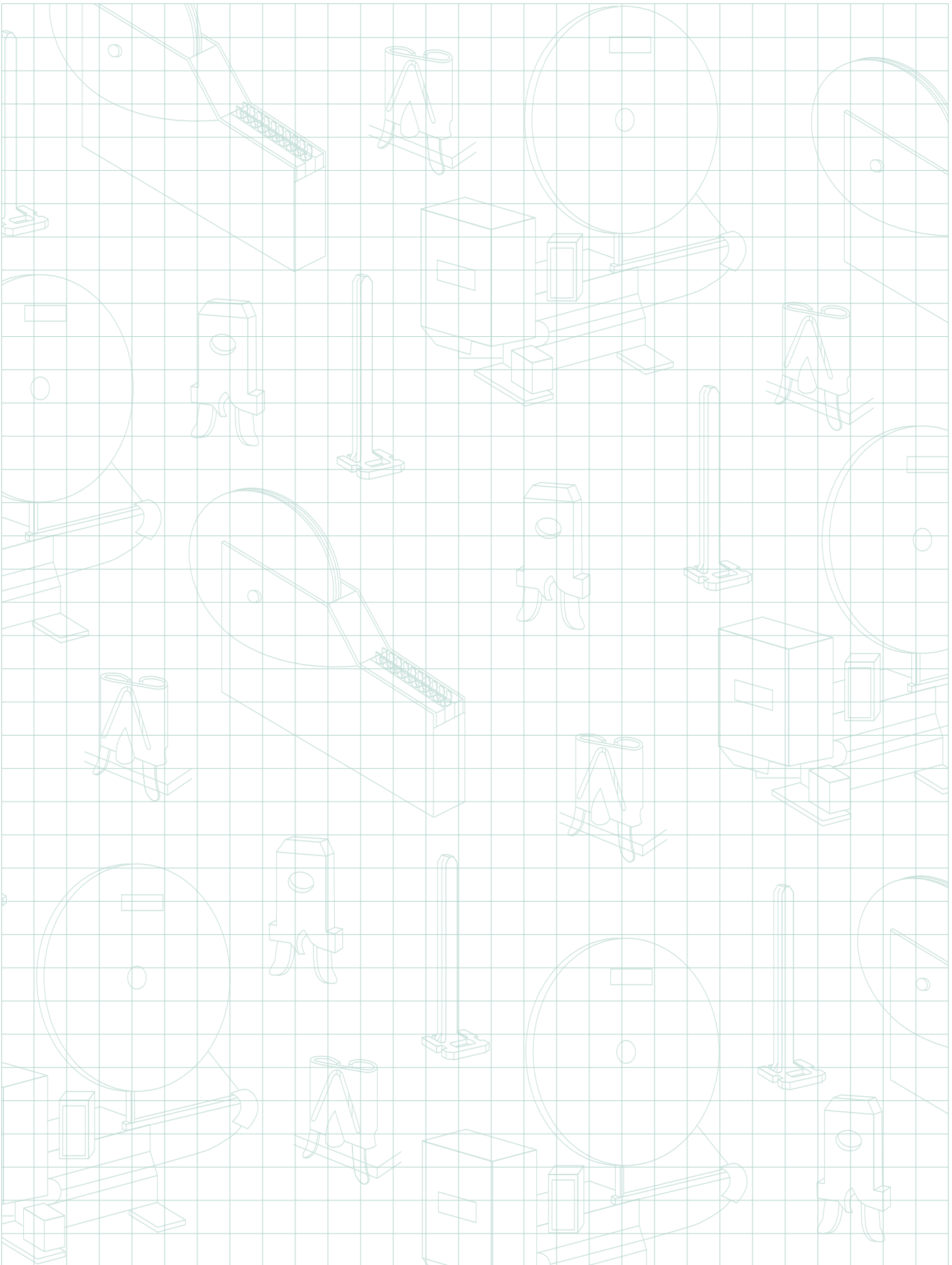


# High Performance Universal Tab Through-Hole Technology Receptacles

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



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

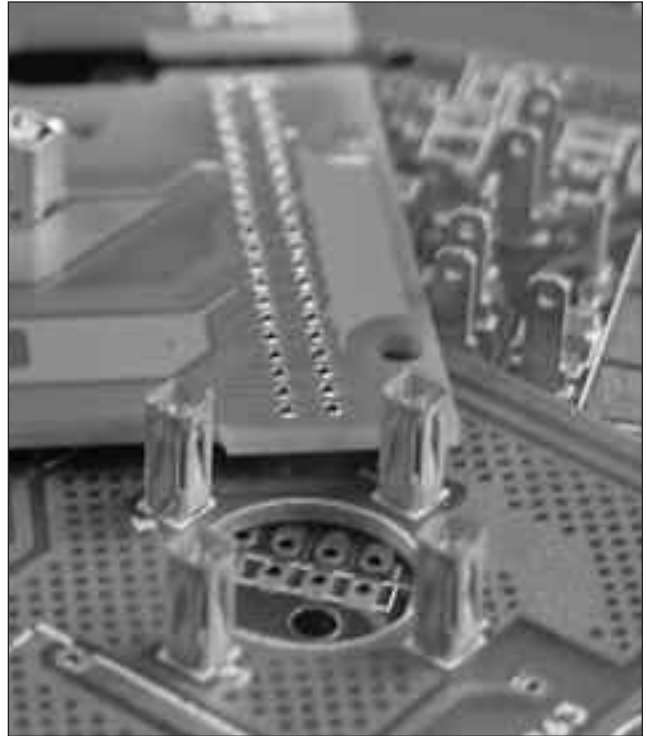


If your annual terminal usage is so low that you cannot justify the purchase of a terminal insertion machine, or if you have a work overload, Zierick has an alternative. We can insert Zierick terminals into your printed circuit board per your individual requirement.

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.



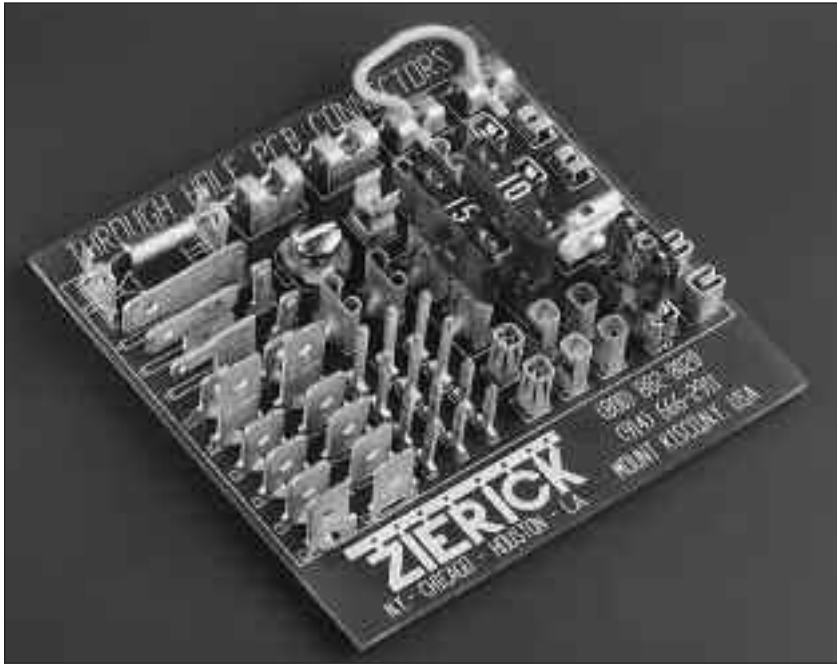
Zierick's family of automated and semi-automated terminal insertion systems is known for its reliability. Combine this with our knowledgeable applicator service department for a trouble-free experience. Our machines provide a great range of functionality and flexibility so that your job will be done 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.





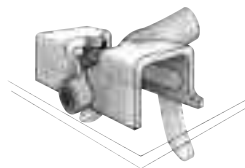


Whether your Through-Hole Technology applications require a Quick Disconnect Tab, an Insulation Displacement Connector, a Test Point Terminal, a Screw Terminal, a Receptacle, a Post, or a Multi-Layer Circuit Board Connector, we can fulfill your needs. Zierick's unique features solve your most difficult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



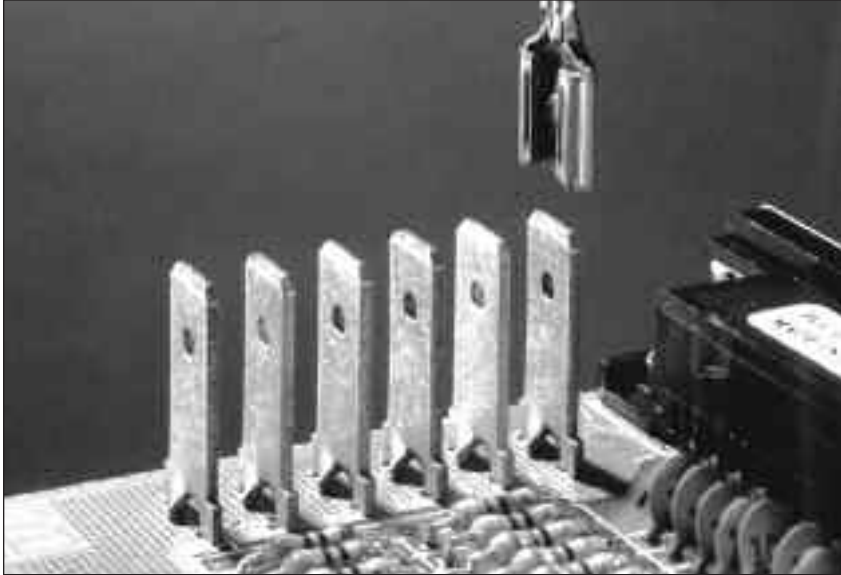
Zierick's TapeResist solder masking technology is a remarkable advancement for PCB assembly as it utilizes pre-applied polyester film as the solder resist agent.



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



Accu-Pak™ PCB mountable receptacles 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  $\pm 0.004"$  ( $\pm 0.10\text{mm}$ ) for either Accu-Lok™ or splay mounting types.

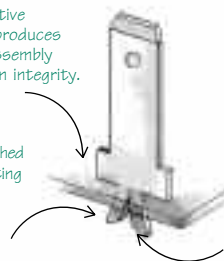
Zierick quick disconnects are manufactured to NEMA, UL, and CSA specifications. They are available in vertical or horizontal configurations, loose or reeled. Assembly can be accomplished with Zierick hand tools or Zierick semi- and fully-automated applicators.

- 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  $\pm 0.003"$  ( $\pm 0.076\text{mm}$ ).
- 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™'s retentive mounting feature produces exceptional PCB assembly and interconnection integrity.

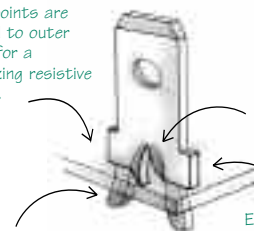
Accu-Lok™'s PCB retention is accomplished by a controlled splitting and forming of the terminal leg during insertion.



Since Accu-Lok™'s unique design is not a press fit, it prevents hole damage and deformity.

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

Pivot points are shifted to outer areas for a stabilizing resistive torque.



Stabilizers are most effective when "domed."

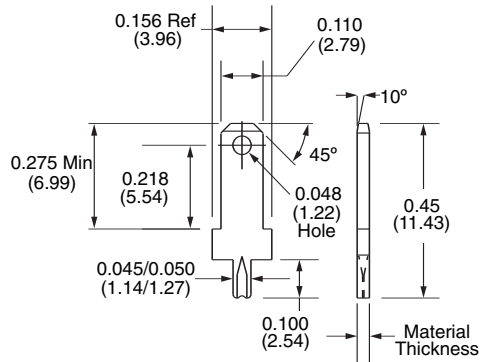
Stable-Lok™ minimizes the likelihood of mounting leg breakage.

Easily replaces standard tab terminal, no board redesign required.

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



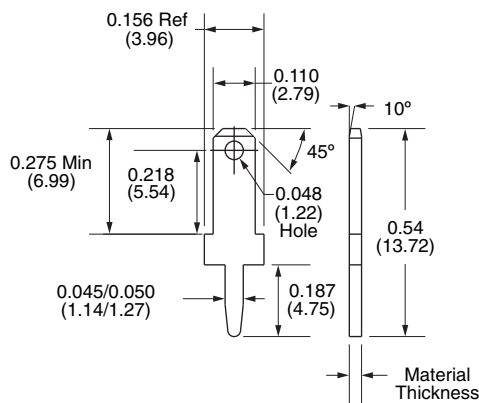
# 0.110" (2.79mm) Tabs / Quick Disconnect Terminals



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

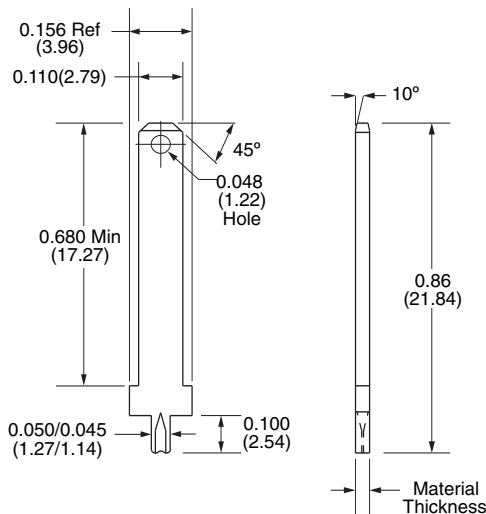
U.S. Patent No. 5,017,159

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



<b>Loose Part No.</b>	834	835
<b>Reeled Part No.</b>	6834	6835
<b>Mounting Type</b>	Press-Fit	Press-Fit
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.044" ±0.003" (1.12mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

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

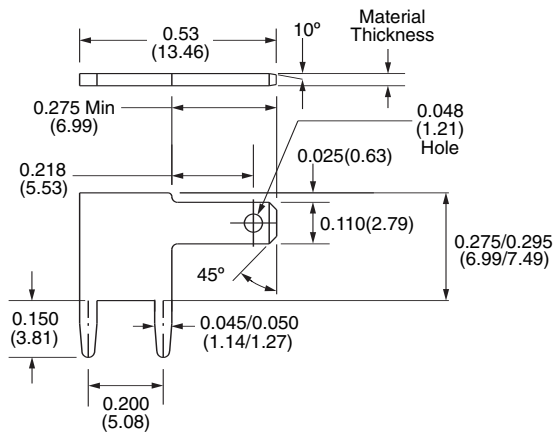


<b>Loose Part No.</b>	1201
<b>Reeled Part No.</b>	6201
<b>Mounting Type</b>	Accu-Lok™ Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.055" ±0.003" (1.40mm ±0.076mm)
<b>Applicator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

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

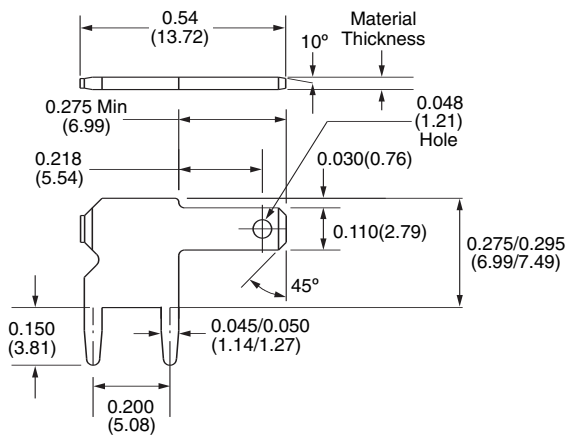
For exact finish specifications and available special finishes, see Finish Table (page 106).

## 0.110" (2.79mm) Tabs / Quick Disconnect Terminals



<b>Loose Part No.</b>	948	949
<b>Reeled Part No.</b>	(See Below)	(See Below)
<b>Mounting Type</b>	Outward or Inward Splay	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	0.020" (0.51mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT92-110	

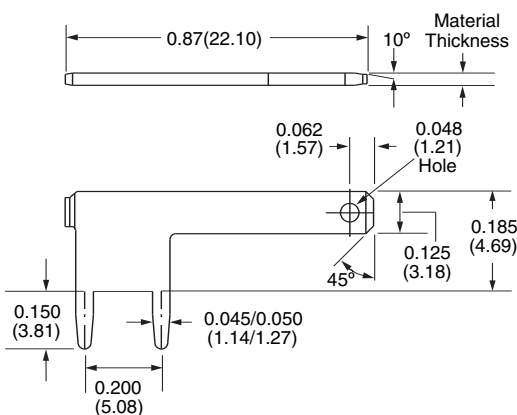
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

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

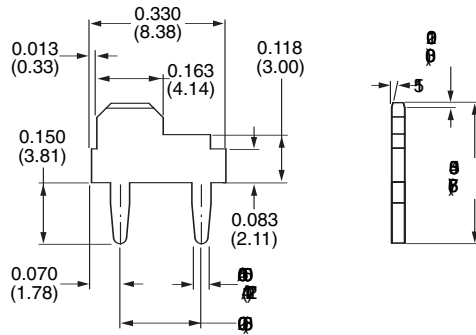
## 0.125" (3.18mm) Tabs / Quick Disconnect Terminals



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

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

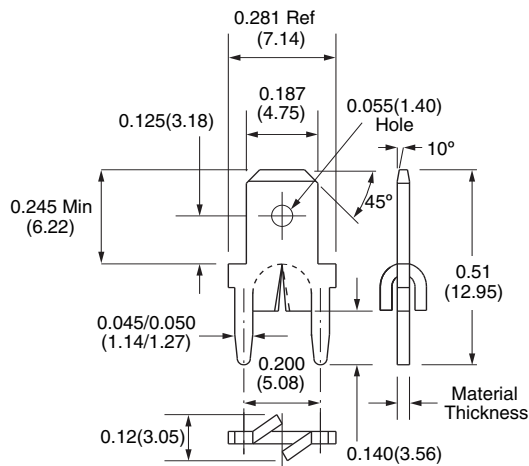
## 0.163" (4.14mm) Tabs / Quick Disconnect Terminals



<b>Loose Part No.</b>	N/A
<b>Reeled Part No.</b>	6267
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Model 9700, 9700 XY

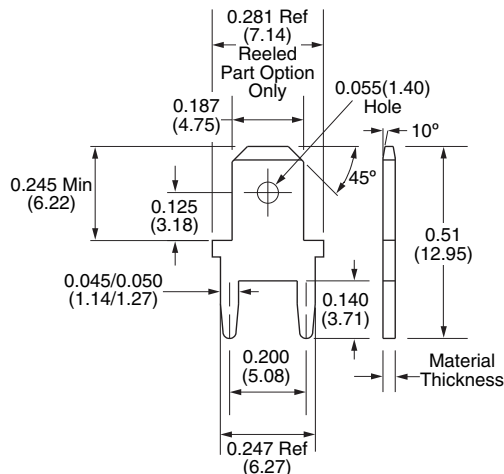
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



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

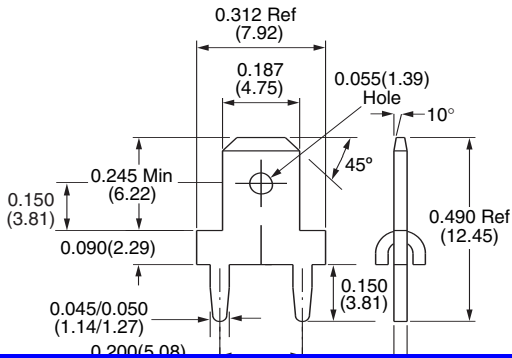
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

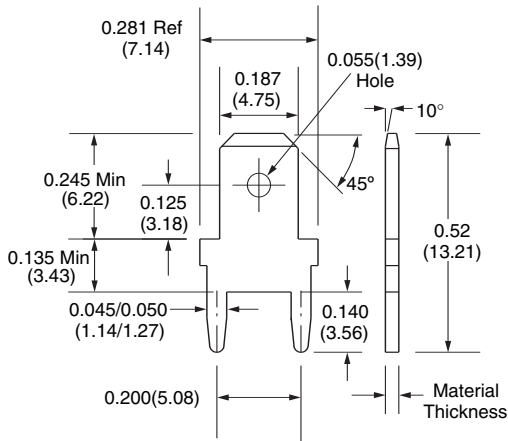


PRINT MODIFIED for PN 6282

See [www.zierick.com/pages/th\\_qd\\_187\\_6282.php](http://www.zierick.com/pages/th_qd_187_6282.php).

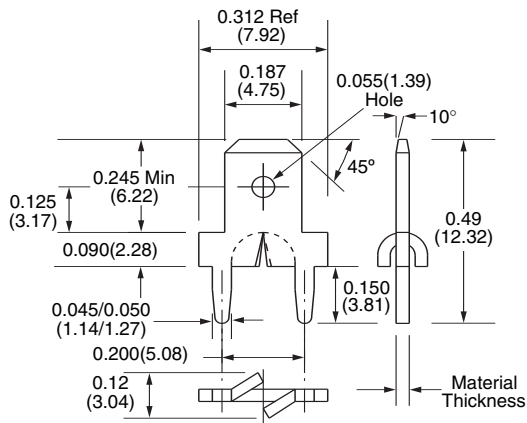
<b>Loose Part No.</b>	N/A
<b>Reeled Part No.</b>	6282
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass
<b>Standard Finish</b>	Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>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

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



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

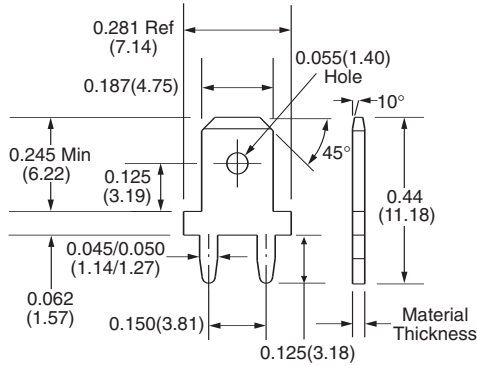
For exact finish specifications and available special finishes, see Finish Table (page 106).



<b>Loose Part No.</b>	N/A	1141
<b>Reeled Part No.</b>	6140	6141
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.050" ±0.003" (1.27mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

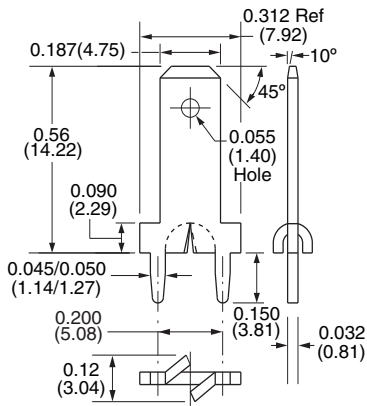
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



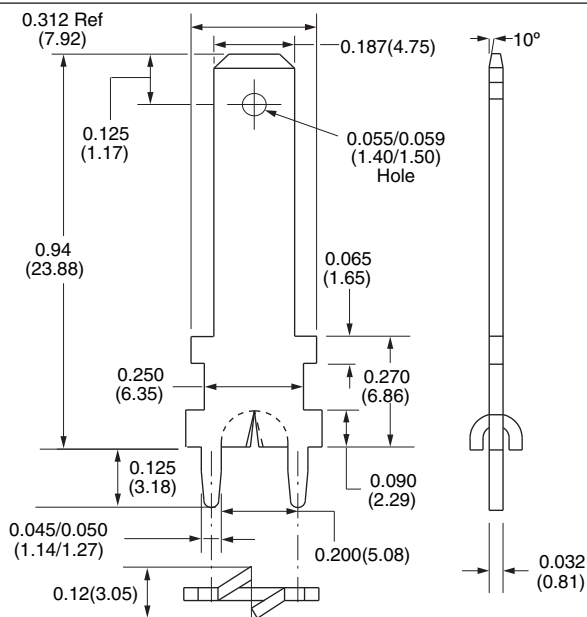
<b>Loose Part No.</b>	N/A	1077
<b>Reeled Part No.</b>	6078	6077
<b>Mounting Type</b>	Outward or Inward Splay	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting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

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



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

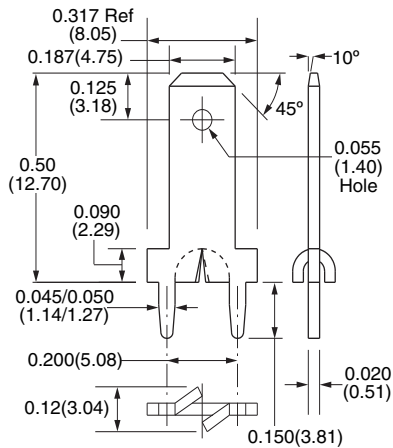
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

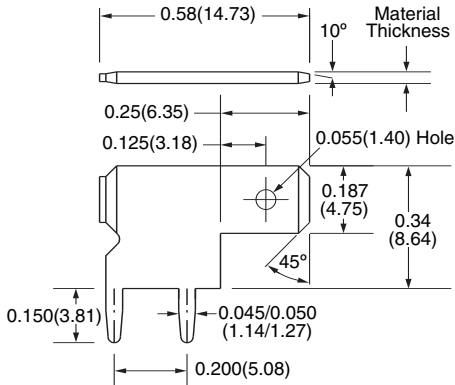
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



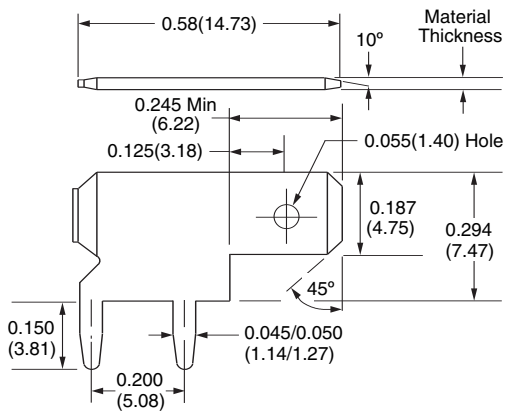
<b>Loose Part No.</b>	1166
<b>Reeled Part No.</b>	6166
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)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

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



<b>Loose Part No.</b>	(See Below)	(See Below)
<b>Reeled Part No.</b>	6956	6957
<b>Mounting Type</b>	Outward or Inward Splay	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.050" ±0.003" (1.27mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Reeled: Model 9700, 9700 XY	

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

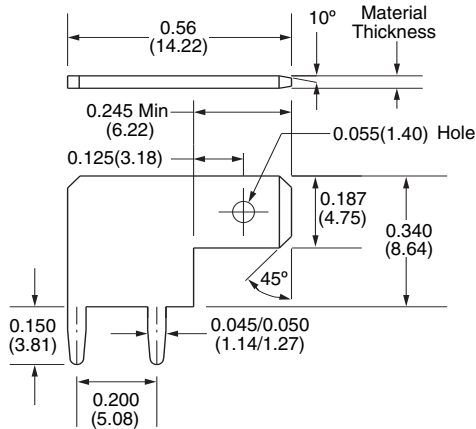


<b>Loose Part No.</b>	N/A	N/A
<b>Reeled Part No.</b>	6148	6149
<b>Mounting Type</b>	Outward or Inward Splay	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	0.020" (0.51mm) Brass
<b>Standard Finish</b>	Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.058" ±0.003"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

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



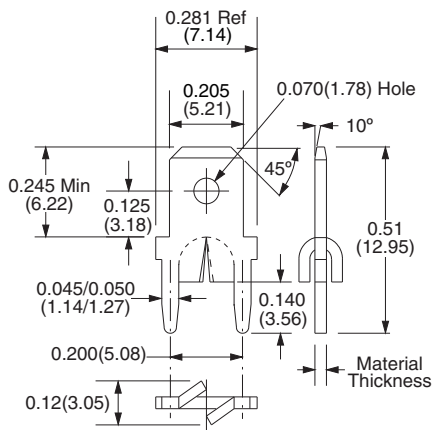
## 0.187" (4.75mm) Tabs / Quick Disconnect Terminals



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

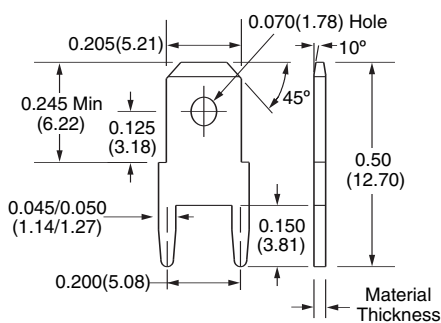
For exact finish specifications and available special finishes, see Finish Table (page 106).

## 0.205" (5.21mm) Tabs / Quick Disconnect Terminals



<b>Loose Part No.</b>	1066	1065
<b>Reeled Part No.</b>	6066	6065
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward	
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.050" ±0.003" (1.27mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 9700, 9700 XY	

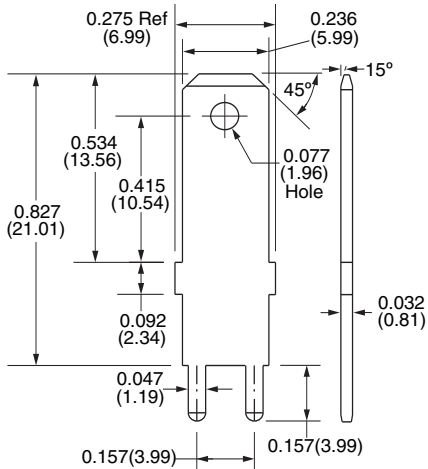
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

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

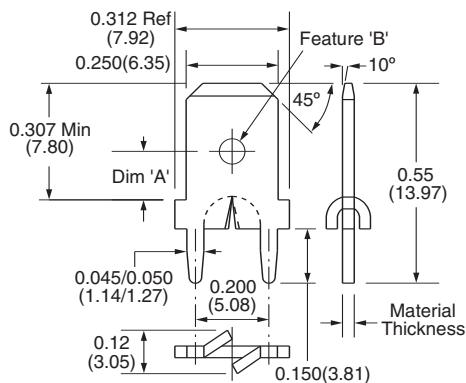
## 0.236" (5.99mm) Tabs / Quick Disconnect Terminals



<b>Loose Part No.</b>	1115
<b>Reeled Part No.</b>	6115
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

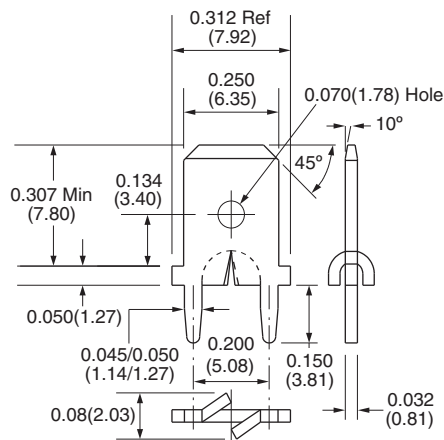
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



<b>Loose Part No.</b>	1021	1198
<b>Reeled Part No.</b>	6021	6198
<b>Feature 'B'</b>	0.070" (1.78mm) Hole	0.070" (1.78mm) Dimple
<b>Dim 'A'</b>	0.134" (3.40mm)	0.160" (4.06mm)
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward	
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)	
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY	

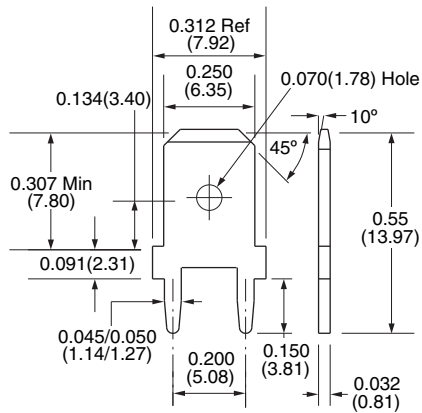
For exact finish specifications and available special finishes, see Finish Table (page 106).



<b>Loose Part No.</b>	1061
<b>Reeled Part No.</b>	6061
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

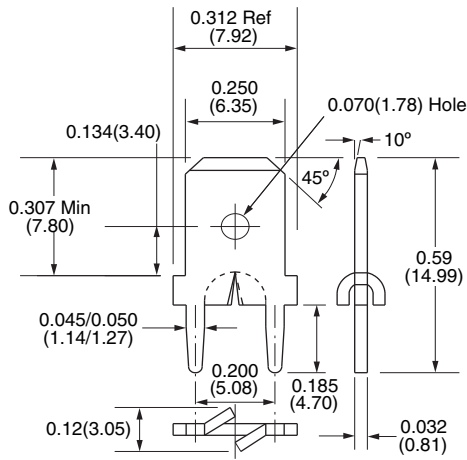
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



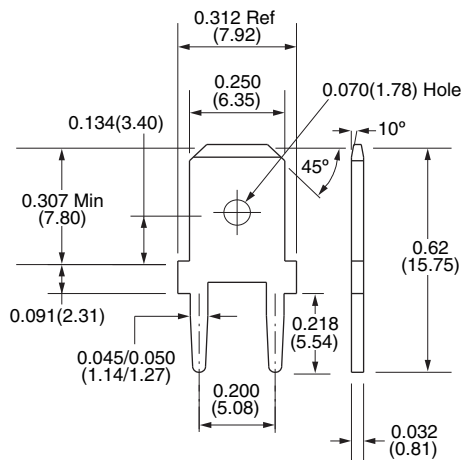
<b>Loose Part No.</b>	836	836-Tape
<b>Reeled Part No.</b>	6836	
<b>Mounting Type</b>	Outward or Inward Splay	
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)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

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



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

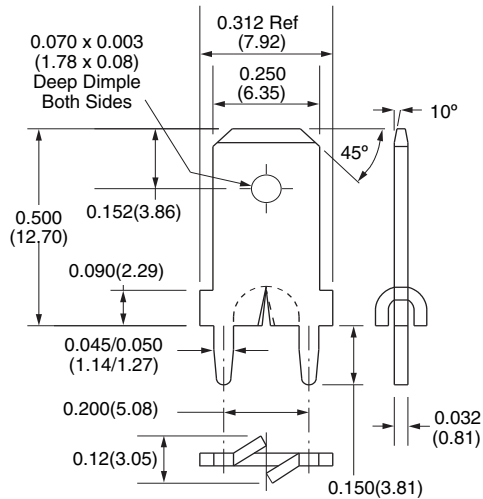
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

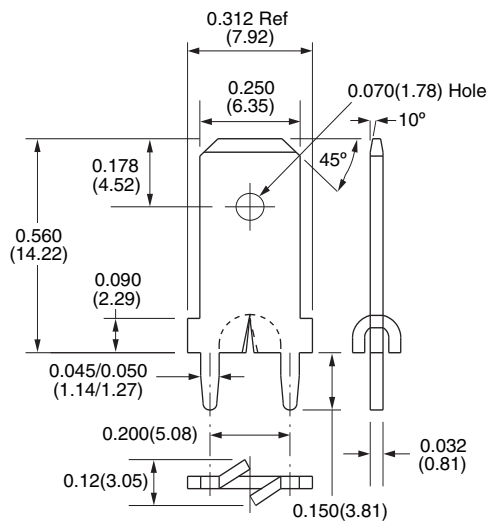
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



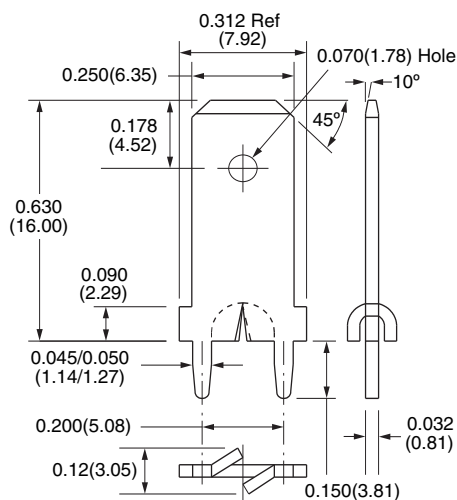
<b>Loose Part No.</b>	1045
<b>Reeled Part No.</b>	6045
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)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

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



<b>Loose Part No.</b>	1041
<b>Reeled Part No.</b>	6041
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

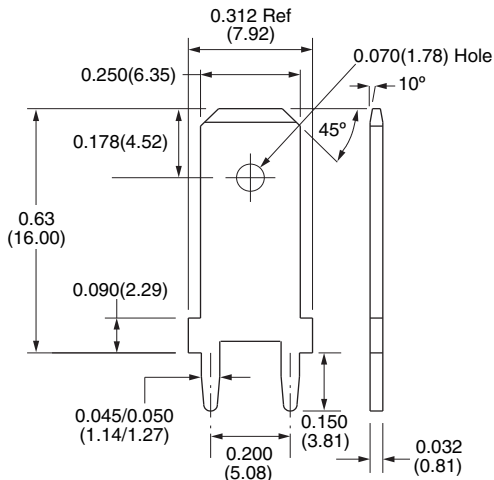
For exact finish specifications and available special finishes, see Finish Table (page 106).



<b>Loose Part No.</b>	1057
<b>Reeled Part No.</b>	6057
<b>Mounting Type</b>	Stable-Lok™ Splay Outward or Inward
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 7000, 9700, 9700 XY

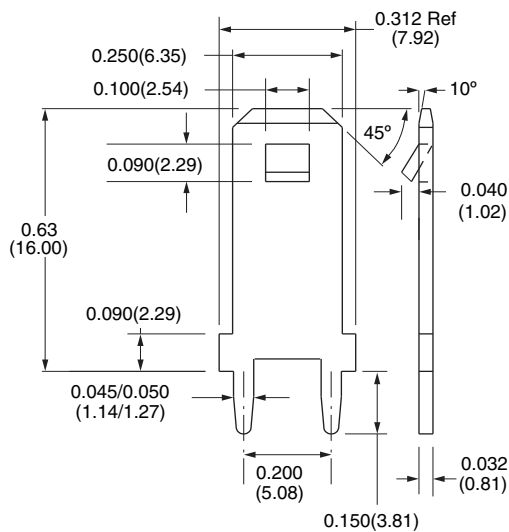
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



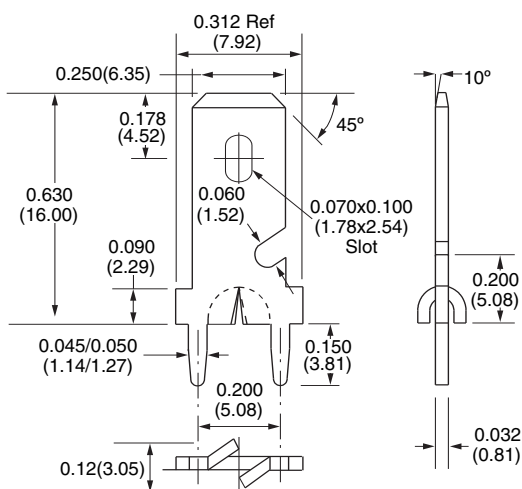
<b>Loose Part No.</b>	972
<b>Reeled Part No.</b>	6224
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A Reeled: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

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



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

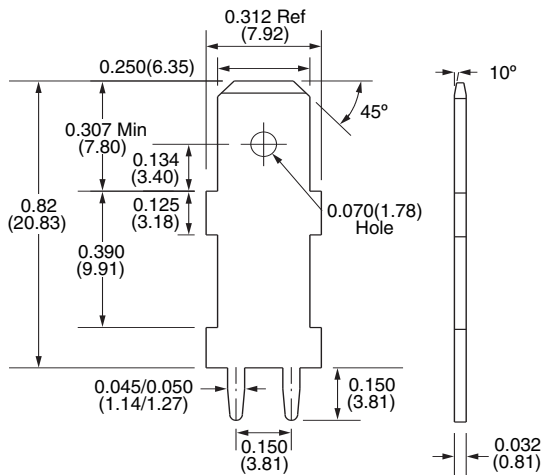
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

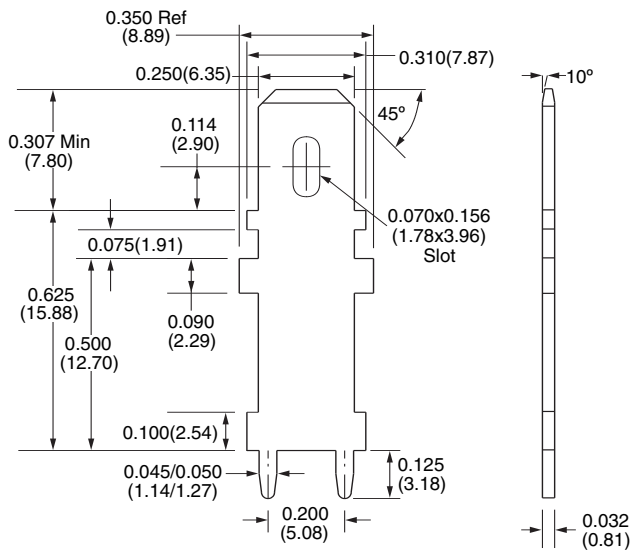
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



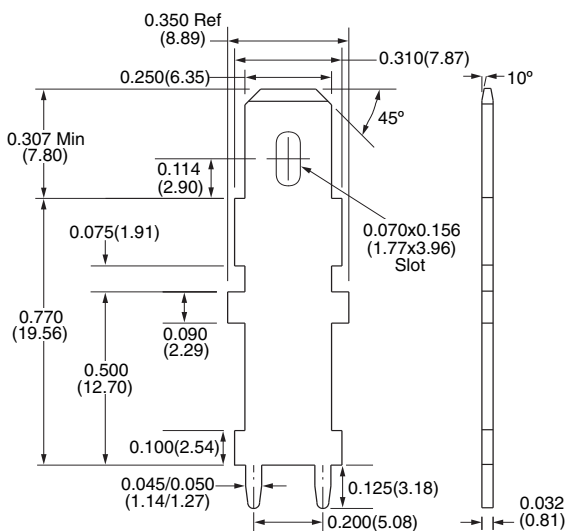
<b>Loose Part No.</b>	953-MOD
<b>Reeled Part No.</b>	N/A
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A

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



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

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

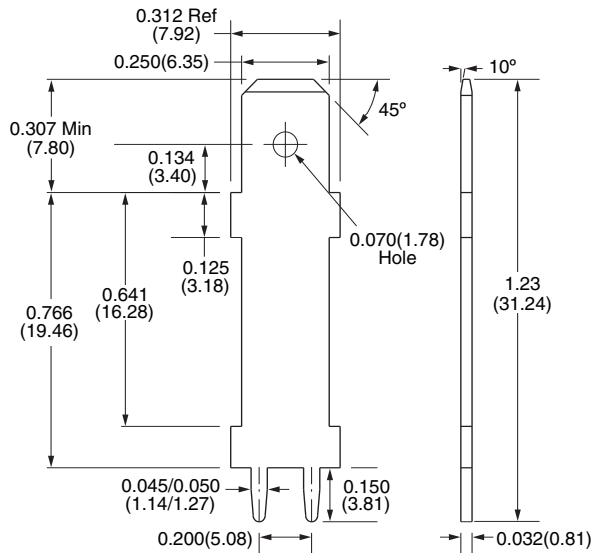


<b>Loose Part No.</b>	1112
<b>Reeled Part No.</b>	6112
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator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

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

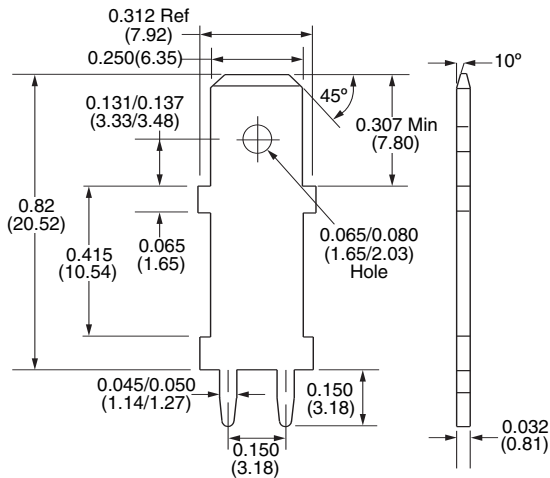


# 0.250" (6.35mm) Tabs / Quick Disconnect Terminals



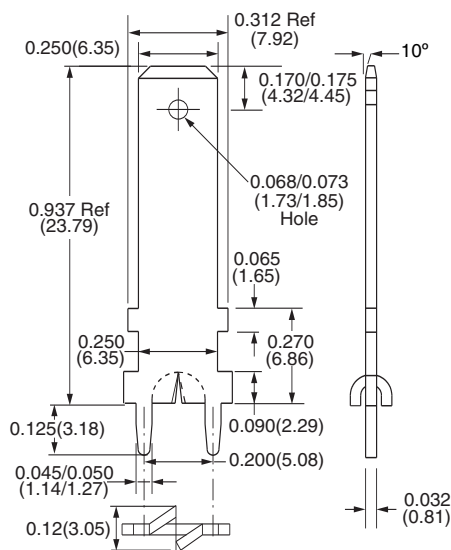
<b>Loose Part No.</b>	953
<b>Reeled Part No.</b>	N/A
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-A

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



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

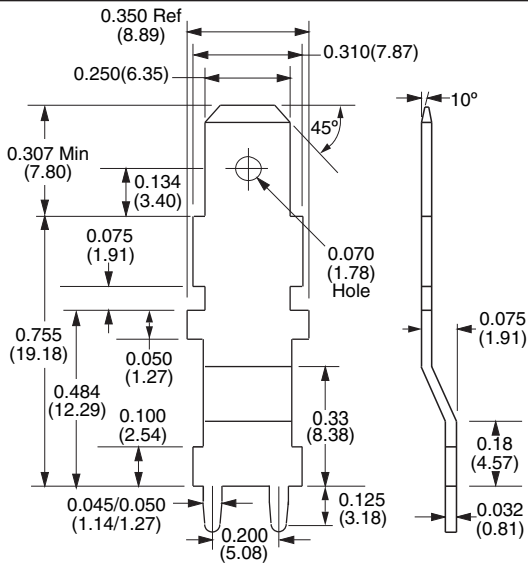
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

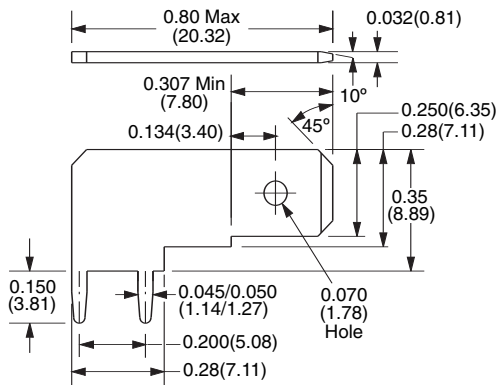
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



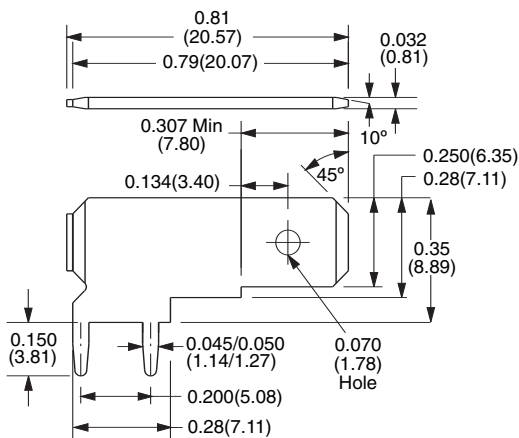
<b>Loose Part No.</b>	1131
<b>Reeled Part No.</b>	N/A
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-1131

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



<b>Loose Part No.</b>	901
<b>Reeled Part No.</b>	(see P/N 6901)
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT92-250

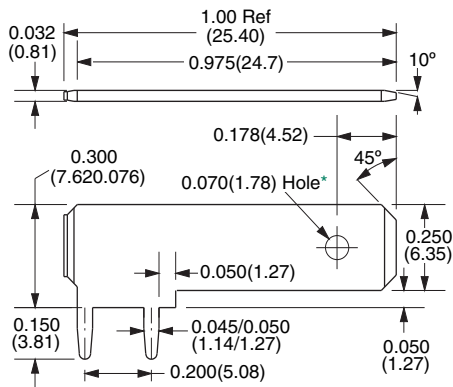
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

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

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



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

<b>Reeled Part No.</b>	6080	6152
<b>Mounting Type</b>	Outward or Inward Splay	
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.058" ±0.003" (1.47mm ±0.076mm)	0.058" ±0.003" (1.47mm ±0.076mm)
<b>Applicator System</b>	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](http://www.ul.com), and click on 'Certifications'. Under 'General Search' select 'UL File Number', then key in Zierick's UL File, Number E146208.





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  $\pm 0.003$ " ( $\pm 0.076$ mm). 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.

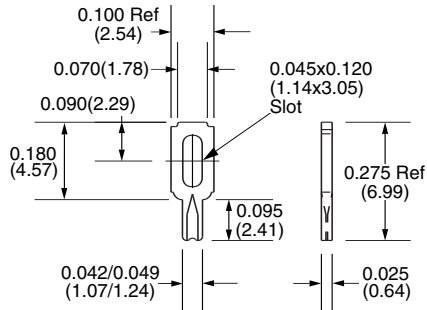
Zierick PCB test point terminals come in loose or reeled format, and in high or low profiles. PCB assembly can be done manually with Zierick hand tools, or automatically with Zierick semi- and fully-automated applicator systems.

- 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  $\pm 0.003$ " ( $\pm 0.076$ mm).
- 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.

*Accu-Lok™ is a trademark of Zierick Manufacturing Corporation and a patented product of Zierick Manufacturing Corporation. U.S. Patent(s) No. 5,017,159 and 5,082,460. Additional U.S. and international patents have been applied for.*

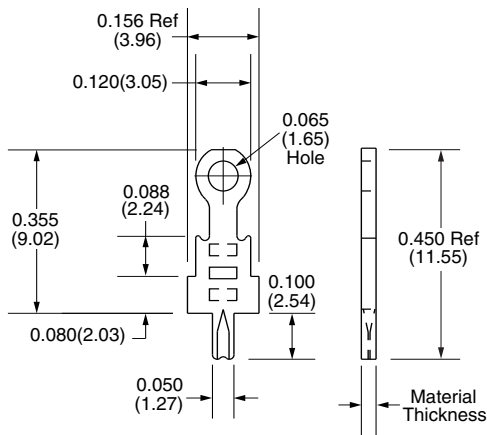
# Test Point Terminals with Accu-Lok™ or Press-Fit Mounting



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

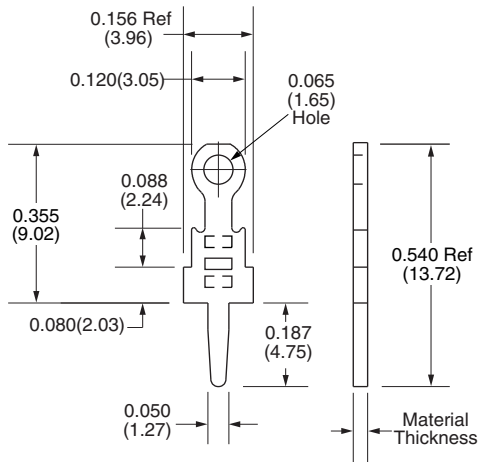


<b>Loose Part No.</b>	1058	1059
<b>Reeled Part No.</b>	6058	6059
<b>Mounting Type</b>	Accu-Lok™ Splay	Accu-Lok™ Splay
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.046" ±0.003" (1.17mm ±0.076mm)	0.052" ±0.003" (1.32mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-TP Reeled: Model 9700, 9700 XY	

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

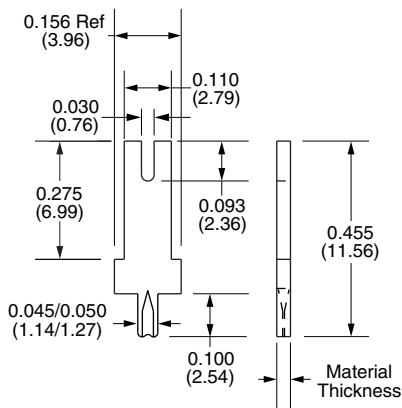
For exact finish specifications and available special finishes, see Finish Table (page 106).

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



<b>Loose Part No.</b>	1032	1033
<b>Reeled Part No.</b>	6032	6033
<b>Mounting Type</b>	Press-Fit	Press-Fit
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.046" ±0.003" (1.17mm ±0.076mm)	0.050" ±0.003" (1.27mm ±0.076mm)
<b>Applicator System</b>	Loose: ZPT81-TP Reeled: Model 9700, 9700 XY	

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

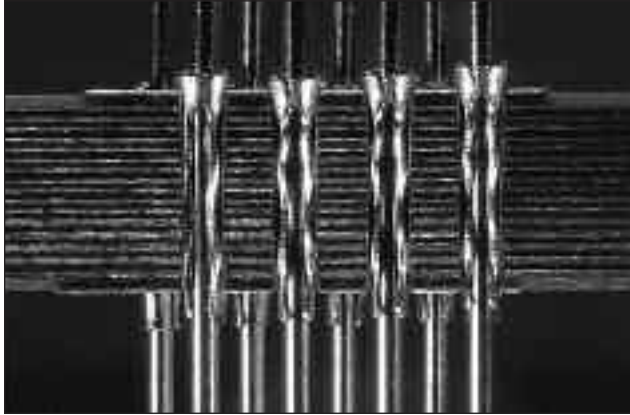


<b>Loose Part No.</b>	1050-030	1049-030
<b>Reeled Part No.</b>	6050-030	6049-030
<b>Mounting Type</b>	Accu-Lok™ Splay	Accu-Lok™ Splay
<b>Material Thickness/Type</b>	0.020" (0.51mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Mounting Hole Diameter</b>	0.050" ±0.003" (1.27mm ±0.076mm)	0.054" ±0.003" (1.37mm ±0.076mm)
<b>Applicator System</b>	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).





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

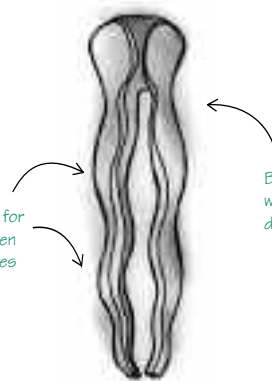
Zierick's Pro-Wave™ interconnection system enables customers to parallel stack several dozen multi-layer circuit boards in a high-speed matched impedance environment, creating a three-dimensional circuit. This solderless interconnection system utilizes pins and internal sockets. The Pro-Wave™ system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

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.

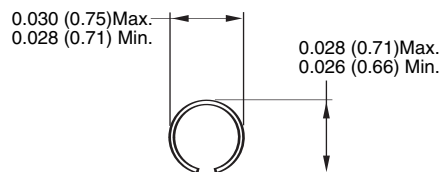
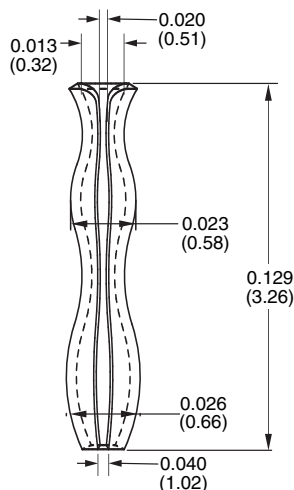


Continuous format Pro-Wave™ sockets permit placement by automatic equipment in any number of pin counts on both standard and special grid spacings.

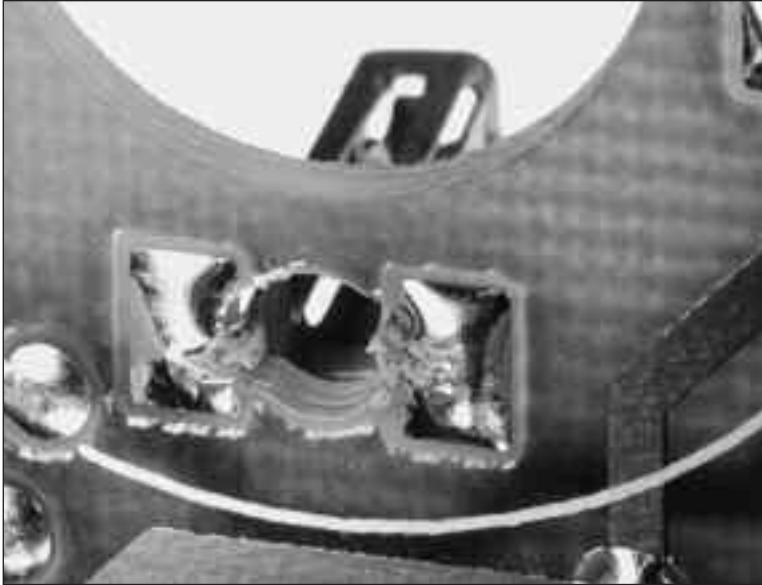
Pro-Wave's contour allows for multiple contact points even with hole diameter variances up to 0.005".



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



<b>Part No.</b>	608213-22
<b>Material Thickness/ Type</b>	0.0035" (0.51mm) Beryllium Copper
<b>Standard Finish</b>	Hard Gold
<b>Mating Pin Diameter</b>	0.012" (0.31mm)
<b>Receiving PCB Hole Diameter</b>	0.020"/0.025" (0.51mm/0.64mm)
<b>PCB Thickness</b>	0.96" min. (2.44mm)



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.

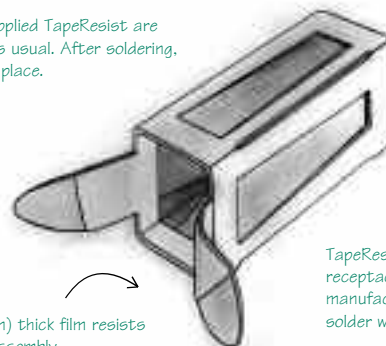
TapeResist connectors are applied to the PCB and processed in the exact same manner as standard connectors. Once the terminal is placed and soldered, the TapeResist film remains

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.



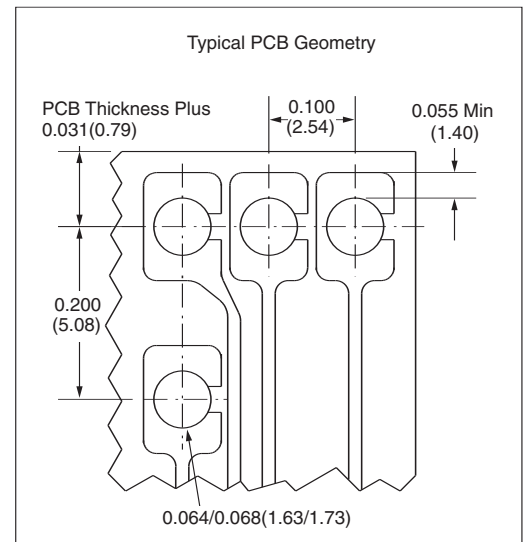
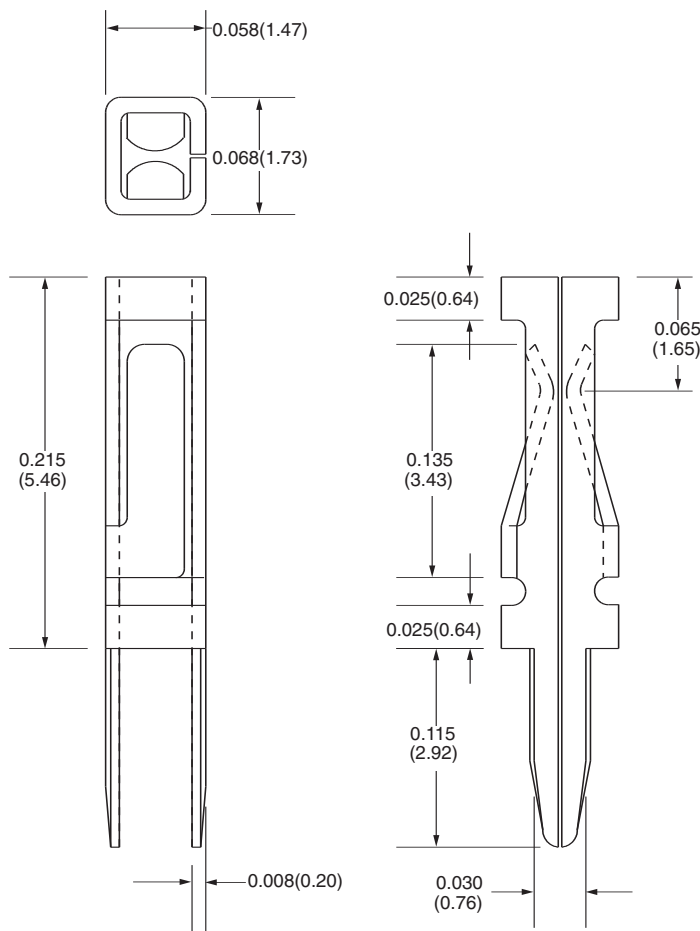
The 0.001" (0.03mm) thick film resists solder during PCB assembly.

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.*

# 0.025" (0.64mm) Accu-Pak™ Receptacles - Bottom Entry

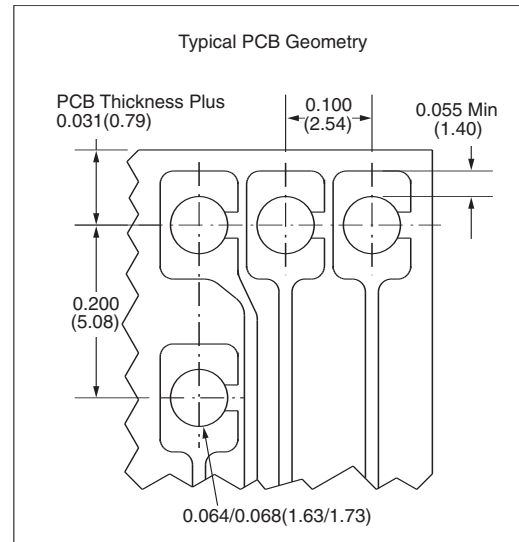
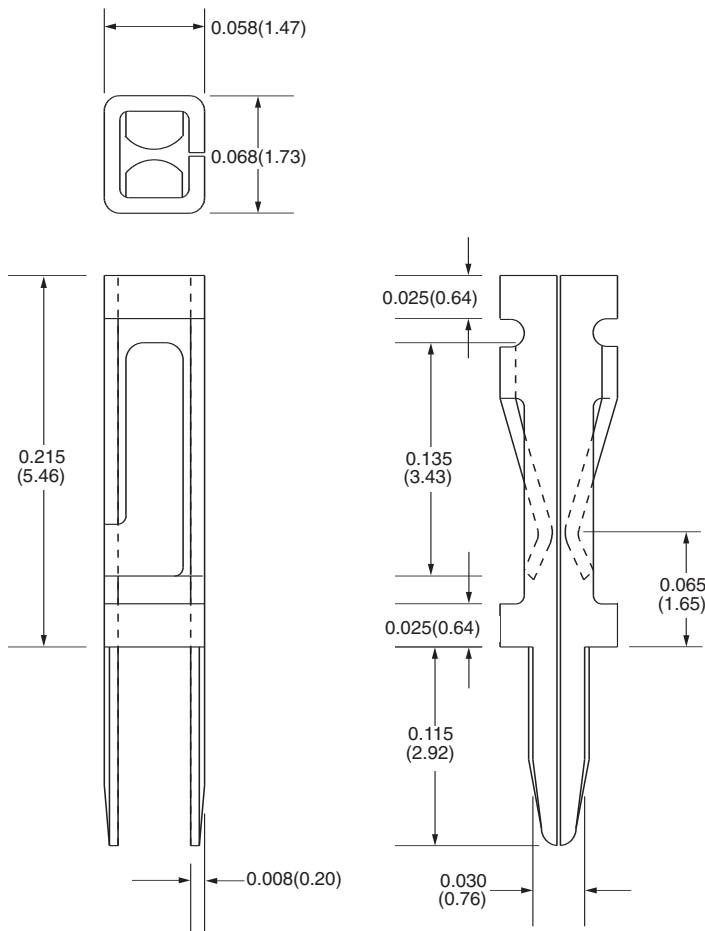
Loose Part No.	Reeled Part No.	Mating Terminal Size
N/A	6100	0.025" (0.64mm) Rd. or Sq.
Application Data		
<b>Mounting Type</b>	Outward Splay	<b>Mating Type</b> Vertical
<b>Material Thickness/Type</b>	0.008" (0.20mm) Phosphor Bronze	<b>Mating Entry</b> Bottom
<b>Standard Finish</b>	Reeled: 100% Tin over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



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

# 0.025" (0.64mm) Accu-Pak™ Receptacles - Top Entry

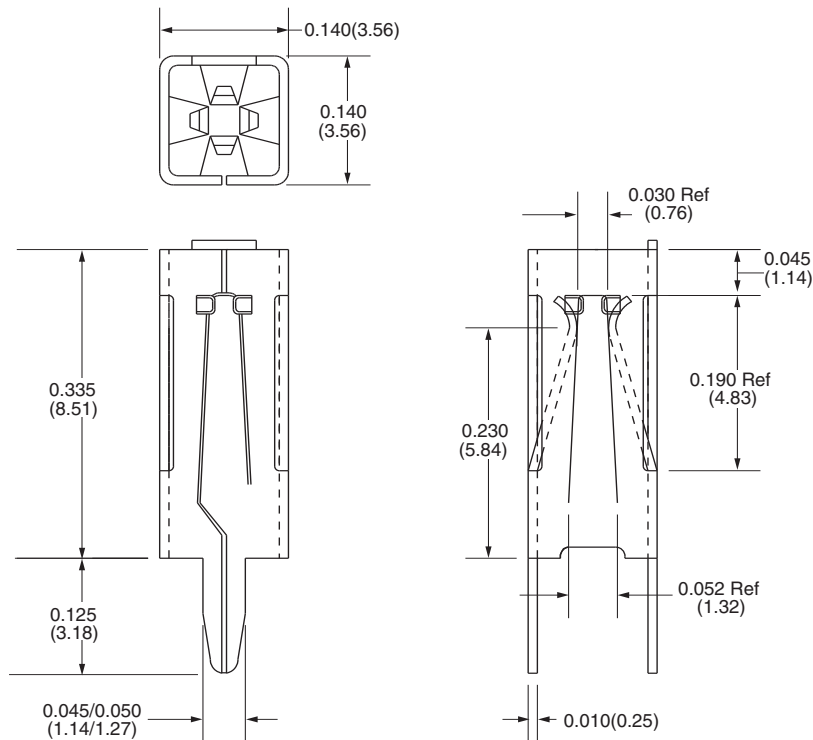
Loose Part No.	Reeled Part No.	Mating Terminal Size
N/A	6101	0.025" (0.64mm) Rd. or Sq.
Application Data		
<b>Mounting Type</b>	Outward Splay	<b>Mating Type</b> Vertical
<b>Material Thickness/Type</b>	0.008" (0.20mm) Phosphor Bronze	<b>Mating Entry</b> Top
<b>Standard Finish</b>	Reeled: 100% Tin over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



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

# Bottom Entry 4 Beam Receptacles

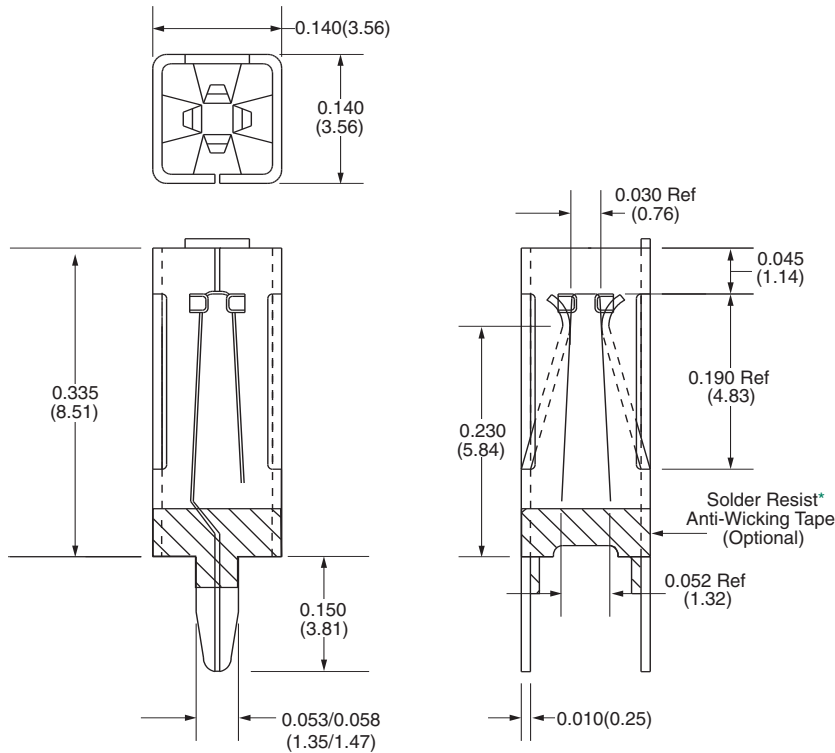
Loose Part No.	Reeled Part No.	Mating Terminal Size
1062	6062	0.060" (1.52mm) Rd. or Sq.
1062-300	6062-300	0.031" x 0.062" (0.79mm x 1.57mm)
1062-400	6062-400	0.045" (1.14mm) Rd. or Sq.
1062-200	6062-200	0.090" (2.29mm) Rd. or Sq.
Application Data		
<b>Mounting Type</b>	Outward Splay	<b>Mating Entry</b> Bottom
<b>Material Thickness/Type</b>	0.010" (0.25mm) Phosphor Bronze	<b>Applicator System</b> Loose: Consult factory Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	<b>Mounting Hole Diameter</b> 0.150"±0.003" (3.81mm±0.076mm)
<b>Mating Type</b>	Vertical	
Performance Data		
<b>Current Rating</b>	10 Ampere	
<b>Resistance Rating</b>	10mΩ Max	
<b>Temperature Rating</b>	-65° to 105°C	



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

# Bottom Entry 4 Beam Receptacles

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			
<b>Mounting Type</b>	Outward Splay	<b>Mating Entry</b>	Bottom
<b>Material Thickness/Type</b>	0.010" (0.25mm) Phosphor Bronze	<b>Applicator</b>	Loose: Consult factory
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	<b>System</b>	Reeled: Model 9700, 9700 XY
<b>Mating Type</b>	Vertical	<b>Mounting Hole Diameter</b>	0.150"±0.003" (3.81mm±0.076mm)
Performance Data			
<b>Current Rating</b>	10 Ampere	<b>Insertion Force-Max.</b>	Application Dependent /Submit Mating Terminal Sample To Factory
<b>Resistance Rating</b>	10mΩ Max	<b>Withdrawal Force-Min.</b>	Application Dependent /Submit Mating Terminal Sample To Factory
<b>Temperature Rating</b>	-65° to 105°C		

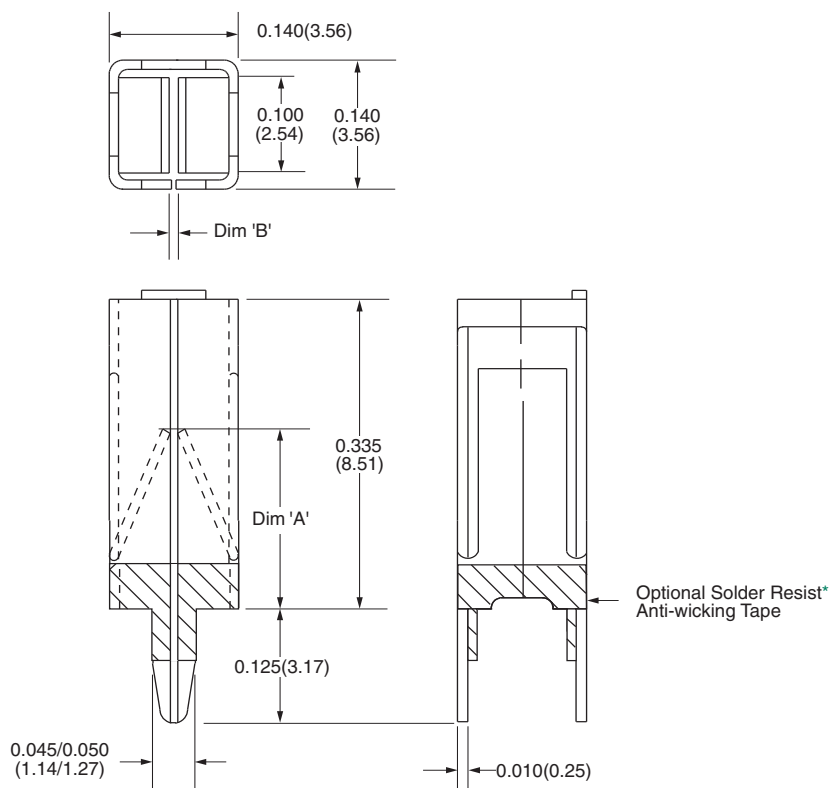


\*U.S. Patent No. 5,495,669

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

# Bottom Entry 2 Beam Receptacles

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					
<b>Mounting Type</b>	Outward Splay		<b>Mating Entry</b>	Bottom	
<b>Material Thickness/ Type</b>	0.010" (0.25mm) Phosphor Bronze		<b>Applicator System</b>	Loose: Consult factory Reeled: Model 9700, 9700 XY	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		<b>Mounting Hole Diameter</b>	0.150"±0.003" (3.81mm±0.076mm)	
<b>Mating Type</b>	Vertical				
Performance Data					
<b>Current Rating</b>	10 Ampere		<b>Insertion Force-Max.</b>	Application Dependent/Submit Mating Terminal Sample To Factory	
<b>Resistance Rating</b>	10mΩ Max		<b>Withdrawal Force-Min.</b>	Application Dependent /Submit Mating Terminal Sample To Factory	
<b>Temperature Rating</b>	-65°C to 105°C				

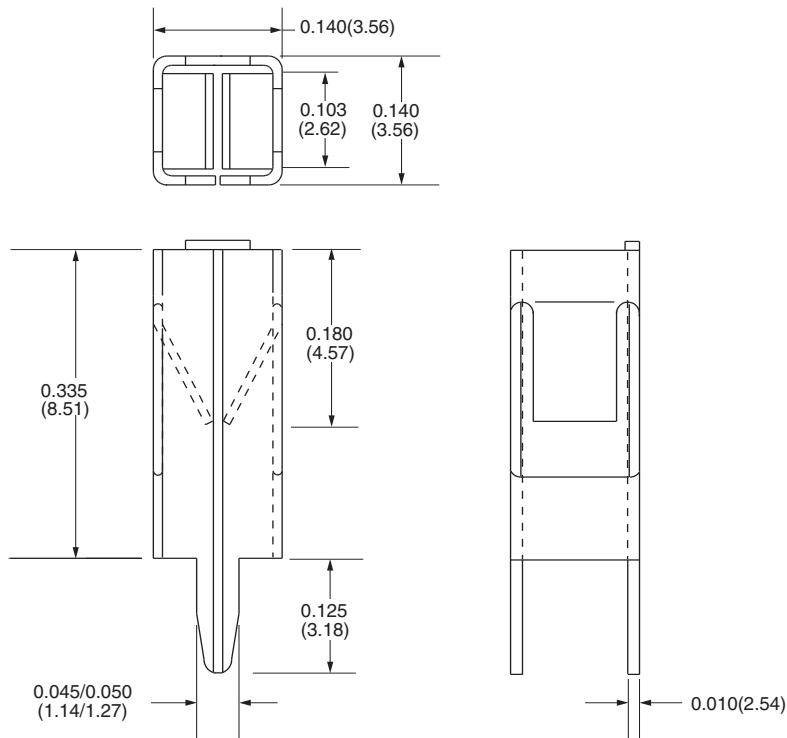


\*U.S. Patent No. 5,495,669

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

# Top Entry 2 Beam Receptacles

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			
<b>Mounting Type</b>	Outward Splay	<b>Mating Type</b>	Vertical
<b>Material Thickness/Type</b>	0.010" (0.25mm) Phosphor Bronze	<b>Applicator System</b>	Loose: Consult factory Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	<b>Mounting Hole Diameter</b>	2 holes 0.050"±0.003" (3.81mm±0.076mm) on 0.130"±0.003" centers (3.302mm±0.076mm)
<b>Mating Entry</b>	Top		
Performance Data			
<b>Current Rating</b>	10 Ampere	<b>Insertion Force-Max.</b>	Application Dependent/Submit Mating Terminal Sample To Factory
<b>Resistance Rating</b>	10mΩ Max	<b>Withdrawal Force-Min.</b>	Application Dependent/Submit Mating Terminal Sample To Factory
<b>Temperature Rating</b>	-65°C to 105°C		



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





(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.

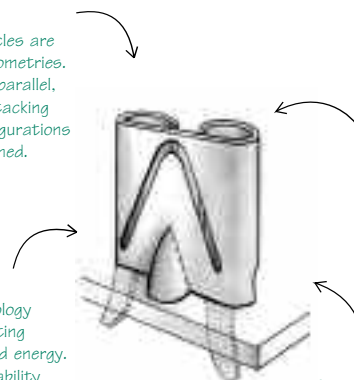
Contact spring design ensures predictable mating forces and high resistance to permanent deformation. The monoform construction allows modular, low-cost connections.

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.

Accu-Pak™ receptacles are available in many geometries. Vertical, horizontal, parallel, perpendicular and stacking PCB packaging configurations are easily accomplished.

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

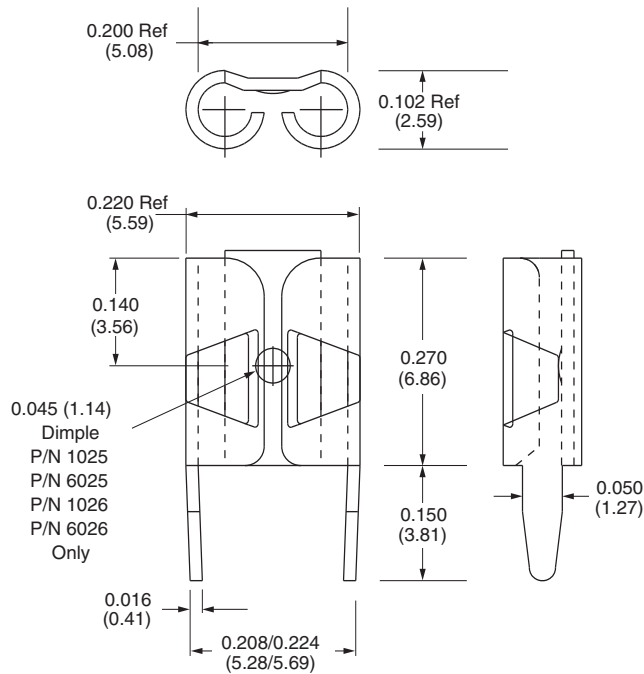


Monoform construction allows modular, economical connections.

Cut-outs minimize solder wicking onto internal contact beams.

# 0.187" (4.75mm) Accu-Pak™ Receptacles

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			
<b>Mounting Type</b>	Outward or Inward Splay	<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 9700, 9700 XY
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass	<b>Mounting Hole Diameter</b>	2 holes 0.052"±0.003" (1.321mm±0.076mm)
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		
Performance Data			
<b>Current Rating</b>	15 Ampere		
<b>Resistance Rating</b>	10mΩ Max		
<b>Temperature Rating</b>	-65°C to 85°C		



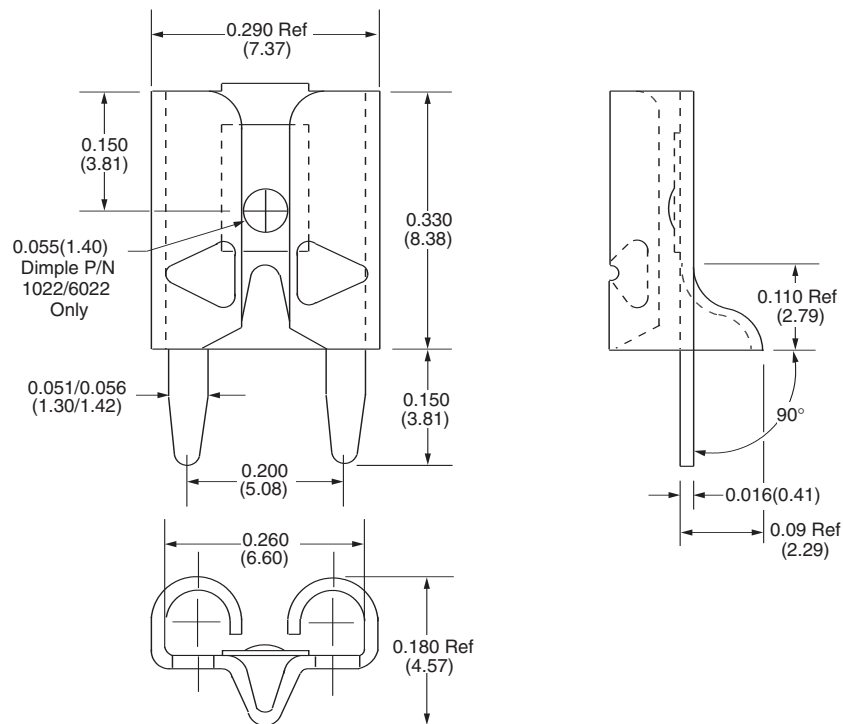
PRINT MODIFIED for PN 1241, 6241, 1026, 6026, 1025, 6025  
 See [www.zierick.com/pages/th\\_rec\\_1241\\_1026\\_1025.php](http://www.zierick.com/pages/th_rec_1241_1026_1025.php).

For additional information and available special finishes, see Finish Table (page 106).

# 0.205" (5.21mm) and 0.250" (6.35mm) Accu-Pak™ Receptacles

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		
<b>Mounting Type</b>	Stable-Lok™ Outward or Inward Splay	<b>Mating Entry</b> Top
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass	<b>Applicator System</b> Loose: ZPT81-A Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	<b>Mounting Hole Diameter</b> 0.052"±0.003" (1.32mm±0.076mm) on 0.200"±0.003" centers (5.08mm±0.076mm)
Performance Data		
<b>Current Rating</b>	20 Ampere*	
<b>Resistance Rating</b>	10mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	

\*with Brass Tab



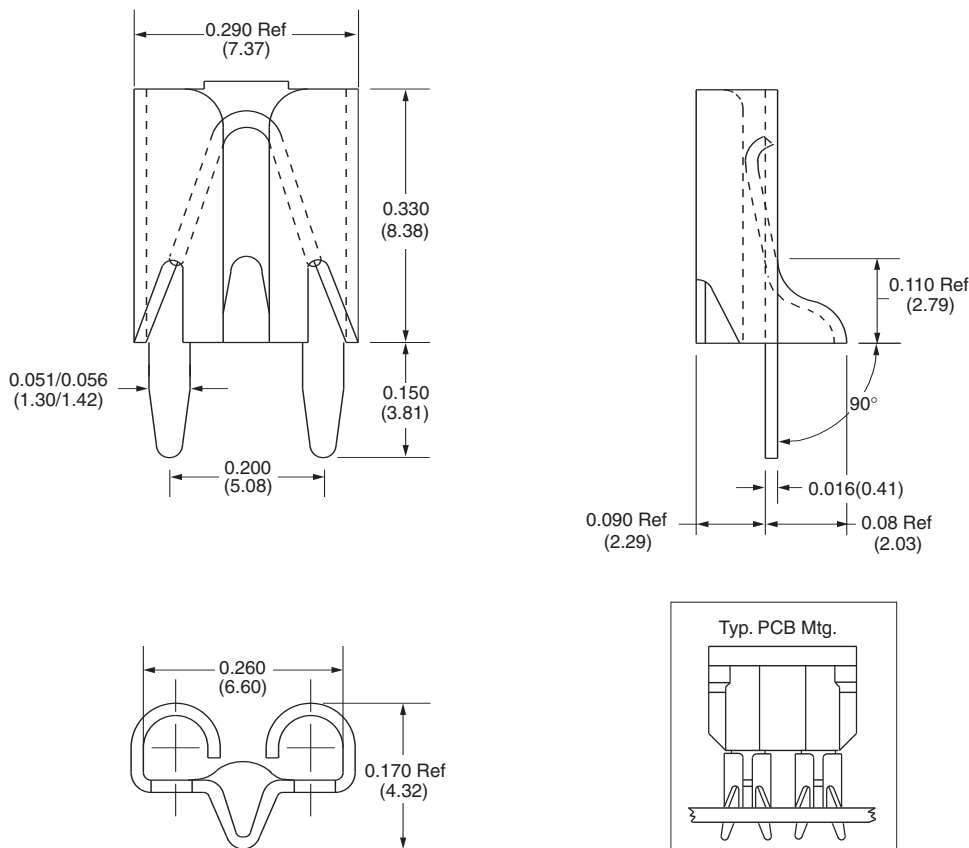
PRINT MODIFIED for PN 1022, 6022, 1037, 6037, 1123, 6123  
See [www.zierick.com/pages/th\\_rec\\_1022.php](http://www.zierick.com/pages/th_rec_1022.php).

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

# 0.205" (5.21mm) and 0.250" (6.35mm) Accu-Pak™ Receptacles

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				
<b>Mounting Type</b>	Stable-Lok™ Outward or Inward Splay		<b>Mating Entry</b>	Top
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass		<b>Applicator System</b>	Loose: ZPT81-A Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		<b>Mounting Hole Diameter</b>	0.052"±0.003" (1.32mm±0.076mm) on 0.200"±0.003" centers (5.08mm±0.076mm)
Performance Data				
<b>Current Rating</b>	20 Ampere (with Brass Tab)			
<b>Resistance Rating</b>	10mΩ Max			
<b>Temperature Rating</b>	-65°C to 85°C			

\*with Steel Test Tab

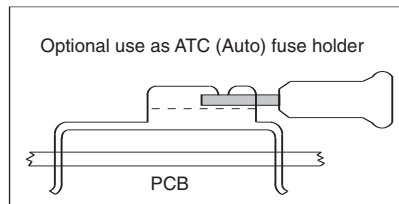
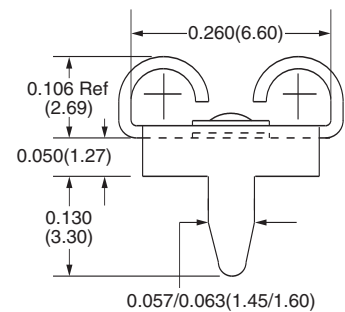
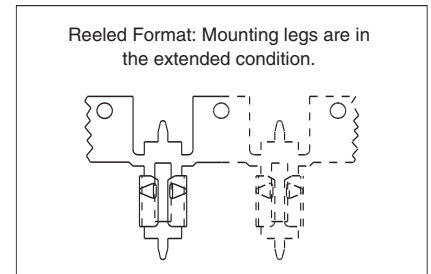
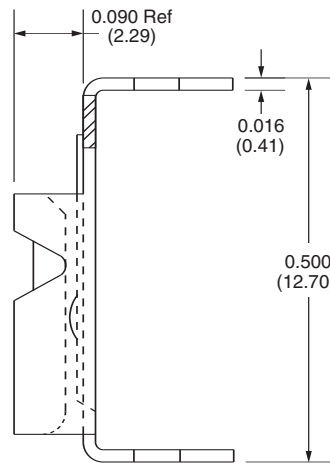
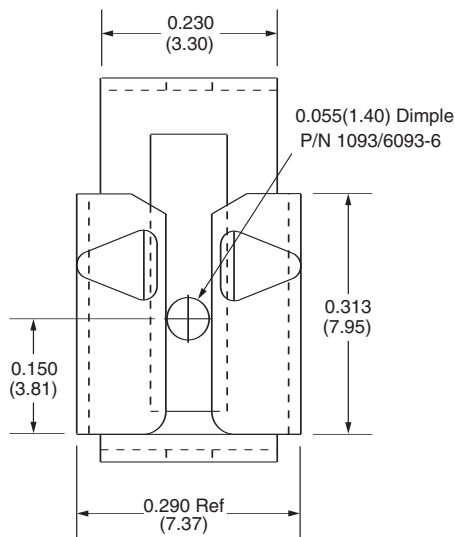


**Note:** Insertion/Extraction ~ withdrawal forces will vary when using commercial fuses. For exact finish specifications and available special finishes, see Finish Table (page 106).

# 0.205" (5.21mm) and 0.250" (6.35mm) Accu-Pak™ Receptacles

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)*
<b>Application Data</b>				
<b>Mounting Type</b>	Outward or Inward Splay	<b>Mating Entry</b>	Horizontal	
<b>Mating Type</b>	Horizontal	<b>Applicator System</b>	Consult factory	
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass	<b>Mounting Hole Diameter</b>	2 holes 0.063"±0.003" (1.6mm±0.076mm) on 0.500"±0.003" centers (12.7mm±0.076mm)	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper			
<b>Performance Data</b>				
<b>Current Rating</b>	20 Ampere			
<b>Resistance Rating</b>	10mΩ Max			
<b>Temperature Rating</b>	-65°C to 85°C			

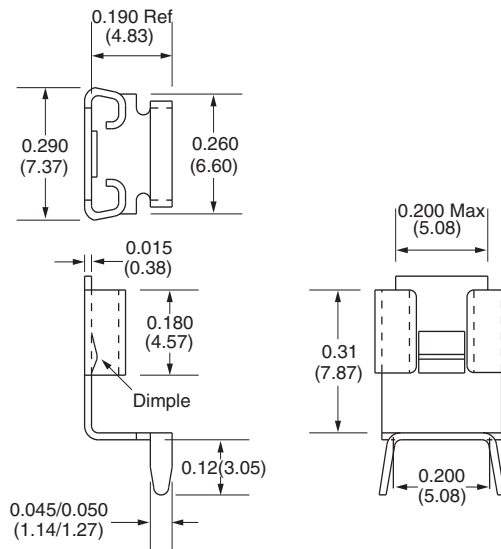
\*with Steel Test Tab



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

# 0.250" (6.35mm) Accu-Pak™ Receptacles

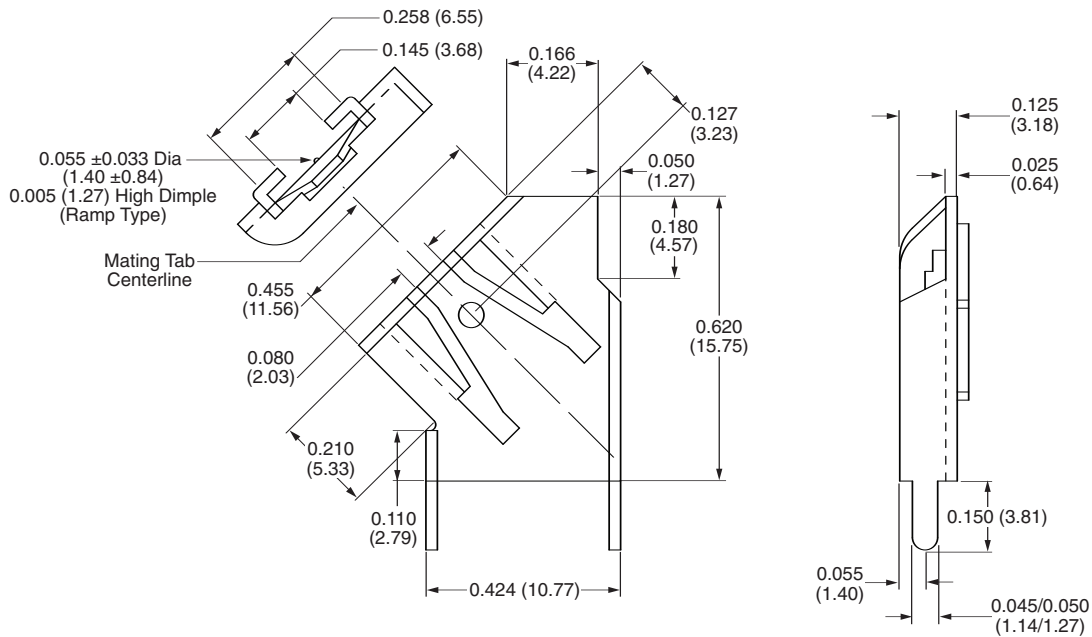
Loose Part No.	Reeled Part No.	Mating Terminal Size
983	N/A	0.250" x 0.016" (6.35mm x 0.41mm) Tin/Brass Male
984	N/A	0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male
Application Data		
<b>Mounting Type</b>	Outward or Inward Splay	<b>Mating Entry</b> Top Side
<b>Mating Type</b>	Vertical	<b>Applicator System</b> Consult factory
<b>Material Thickness/Type</b>	0.015" (0.38mm) Brass	<b>Mounting Hole Diameter</b> 2 holes 0.052" ±0.003" (1.32mm±0.076mm) holes on 0.200" ±0.005" (5.08mm±0.127mm) centers
<b>Standard Finish</b>	100% Tin over Copper	
Performance Data		
<b>Current Rating</b>	Part No. 983-10 Ampere Part No. 984-15 Ampere	
<b>Resistance Rating</b>	10mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	



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

# 0.250" (6.35mm) Accu-Pak™ Receptacles

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		
<b>Mounting Type</b>	Outward or Inward Splay	<b>Mating Entry</b> Side at 45°
<b>Mating Type</b>	45°	<b>Applicator System</b> ZPT81-1133
<b>Material Thickness/Type</b>	0.025" (0.64mm) Brass	<b>Mounting Hole Diameter</b> 2 holes 0.052" (1.32mm) holes on 0.200" (5.08mm) centers
<b>Standard Finish</b>	100% Tin over Copper	
Performance Data		
<b>Current Rating</b>	25 Ampere	
<b>Resistance Rating</b>	20mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	

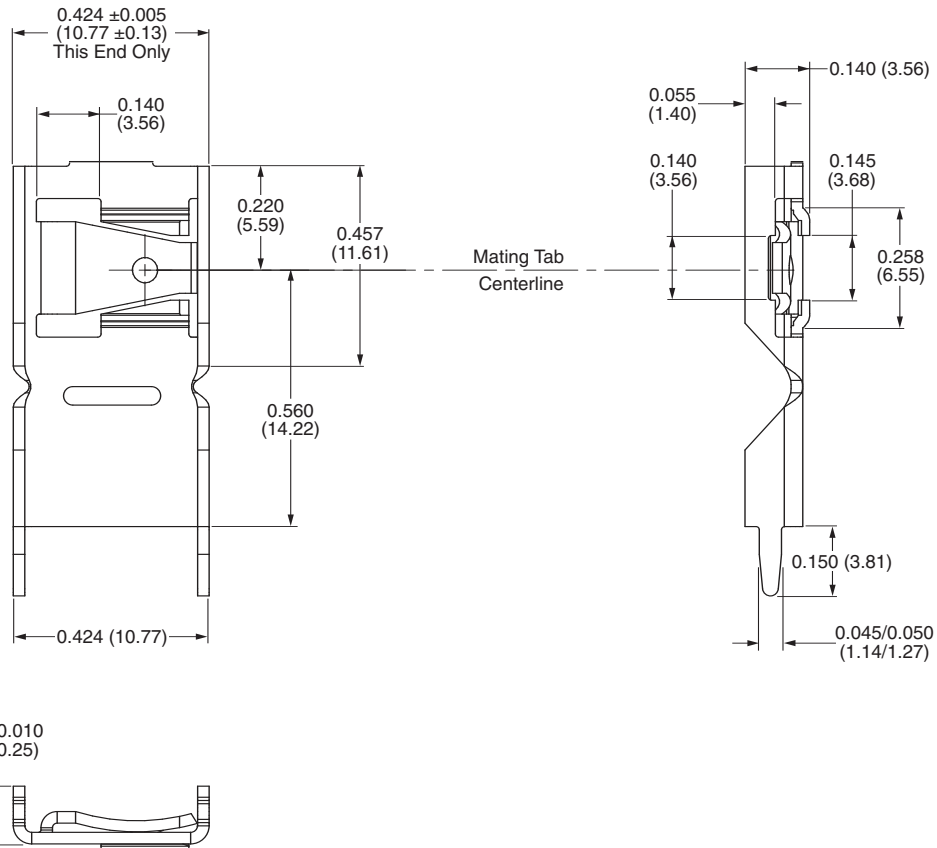


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See [www.zierick.com/pages/th\\_rec\\_1133.php](http://www.zierick.com/pages/th_rec_1133.php).

# 0.250" (6.35mm) Accu-Pak™ Receptacles

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		
<b>Mounting Type</b>	Outward or Inward Splay	<b>Mating Entry</b> Horizontal
<b>Mating Type</b>	Horizontal	<b>Applicator System</b> Model 9700, 9700 XY Bending Tool: ZPT-1120BT
<b>Material Thickness/Type</b>	0.025" (0.64mm) Brass	<b>Mounting Hole Diameter</b> 2 holes 0.052" (1.32mm) holes on 0.200" (5.08mm) centers
<b>Standard Finish</b>	100% Tin over Copper	
Performance Data		
<b>Current Rating</b>	25 Ampere	
<b>Resistance Rating</b>	20mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	

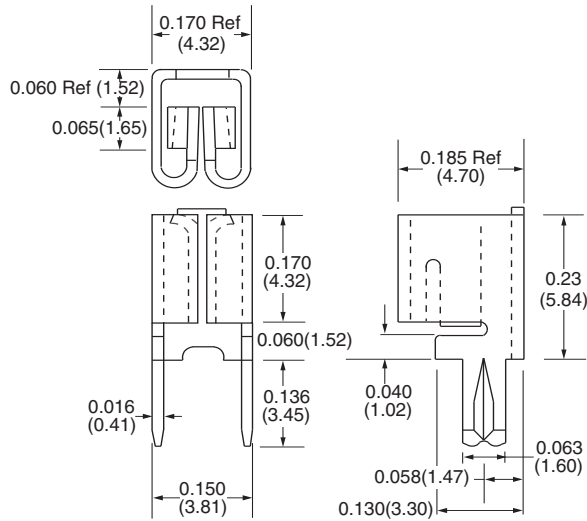


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See [www.zierick.com/pages/th\\_rec\\_6120.php](http://www.zierick.com/pages/th_rec_6120.php).

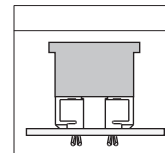


# Universal Tab Receptacles for 0.025" (0.64mm) and 0.032" (0.81mm) Thick Male Terminals

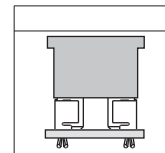
Loose Part No.	Reeled Part No.	Mating Terminal Size
1092	6092	0.025" (0.64mm) and 0.032" (0.81mm)
N/A	6274	0.020" (0.51mm) and 0.032" (0.81mm)
<b>Application Data</b>		
<b>Mounting Type</b>	Inward Splay or Accu-Lok™ "Split Leg"	<b>Mating Entry</b> Top and Horizontal
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass	<b>Applicator System</b> Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Performance Data</b>		
<b>Current Rating</b>	20 Ampere	
<b>Resistance Rating</b>	10mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	



Optional use as mini-fuse holder

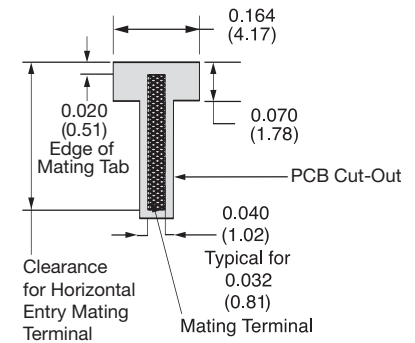


Optional use as ATC (Auto) fuse holder

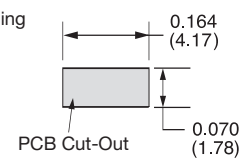


## PCB Layout for Top and Horizontal Entry Mounting

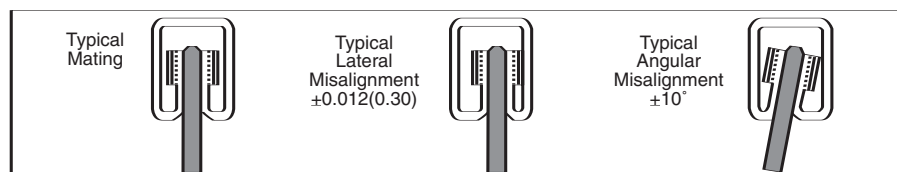
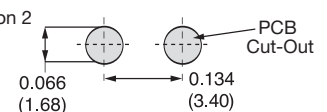
### Horizontal Mating



### Top Entry Mating Option 1



### Option 2

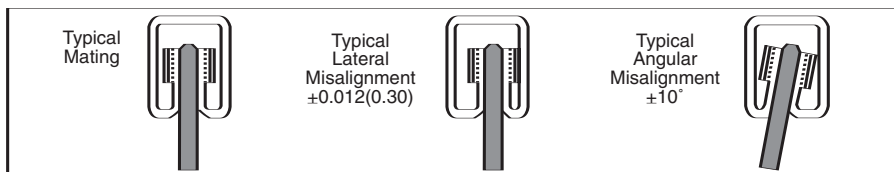
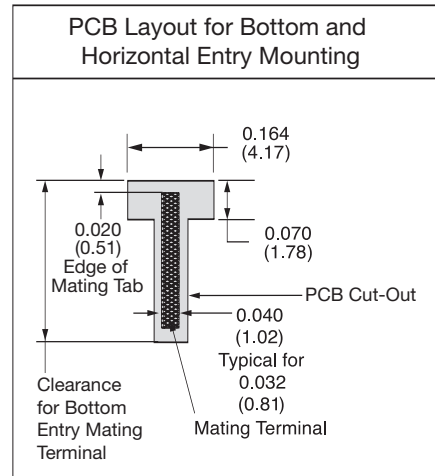
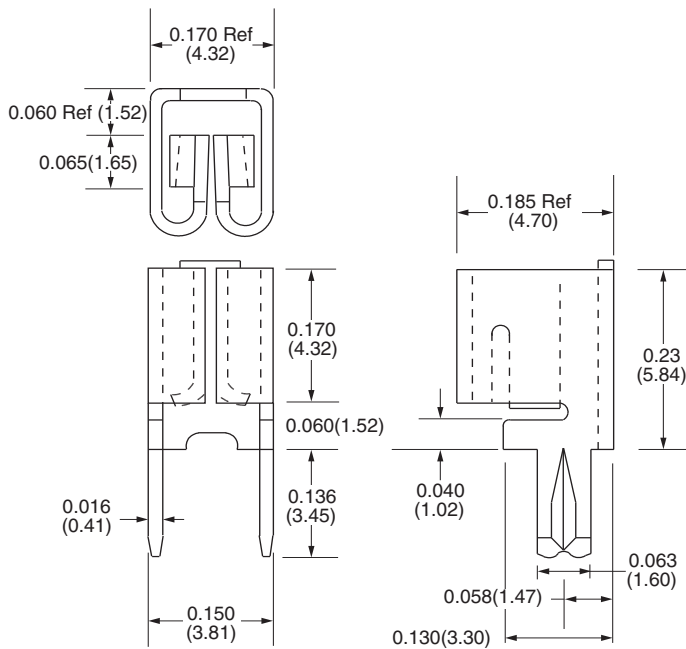


*U.S. Patent No. 5,017,159*

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

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

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		
<b>Mounting Type</b>	Inward Splay or Accu-Lok™ "Split Leg"	<b>Mating Entry</b> Bottom & Horizontal
<b>Material Thickness/Type</b>	0.016" (0.41mm) Brass	<b>Applicator System</b> Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Performance Data		
<b>Current Rating</b>	20 Ampere	
<b>Resistance Rating</b>	10mΩ Max	
<b>Temperature Rating</b>	-65°C to 85°C	



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

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



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

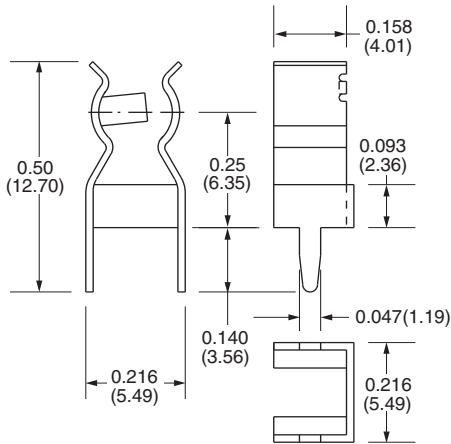
Zierick's exclusive Snap-In PCB fuse mounting technology features a spring-loaded mounting leg which enhances PCB quality and reliability. When inserted in a PCB, Snap-In terminals exhibit increased retention, strength, and durability.

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.

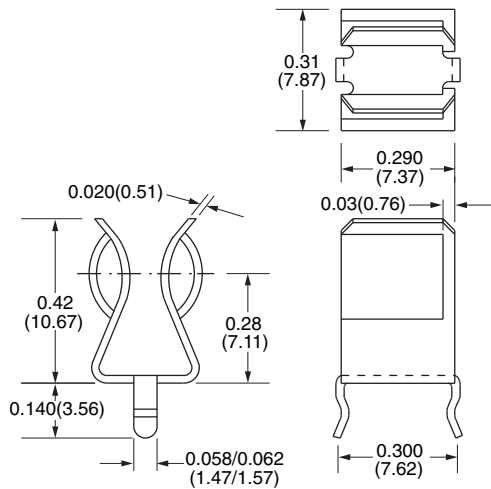
- Zierick's Snap-In fuse clips ensure reliable mounting through the incorporation of a spring-loaded mounting leg.
- Both Snap-In and standard fuse clips are available for 1/4" (6.35mm) and 0.197" (5mm) cylindrical fuse sizes.
- Snap-In and standard fuse clips are available in loose piece format, with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

# Fuse Clip Receptacles



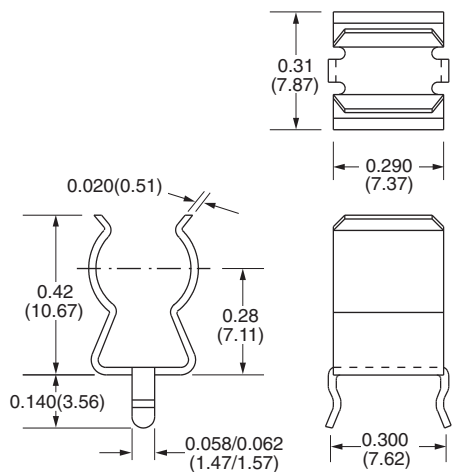
<b>Loose Part No.</b>	990
<b>Fuse Size</b>	0.197" (5mm)
<b>Fuse Receptacle Type</b>	Standard w/ Fuse Stop
<b>Material Thickness/ Type</b>	0.016" (0.41mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.052" (1.32mm)

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



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

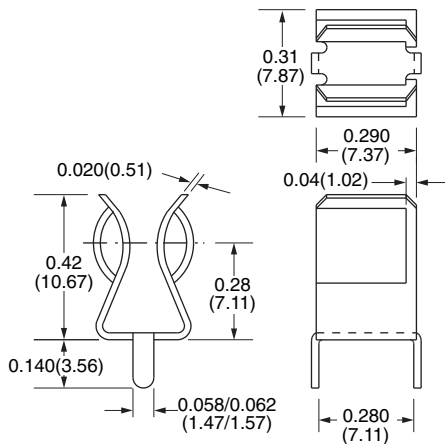
For exact finish specifications and available special finishes, see Finish Table (page 106).



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

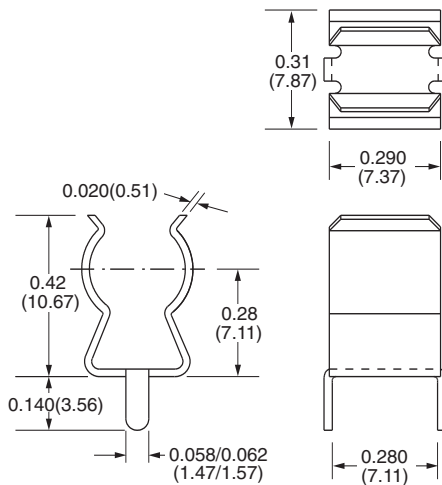
For exact finish specifications and available special finishes, see Finish Table (page 106).

# Fuse Clip Receptacles



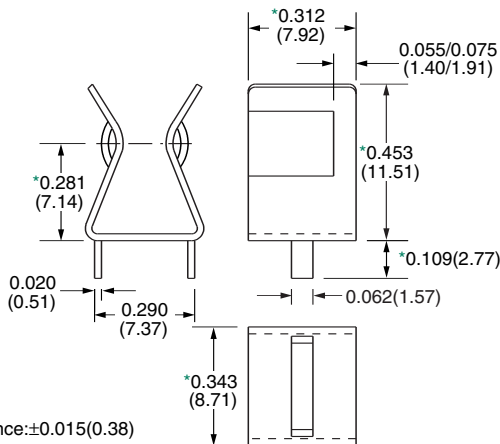
<b>Loose Part No.</b>	926
<b>Fuse Size</b>	1/4" (6.35mm)
<b>Fuse Receptacle Type</b>	Standard w/ Fuse Stop
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Mounting Hole Diameter</b>	0.067" (1.70mm)

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



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

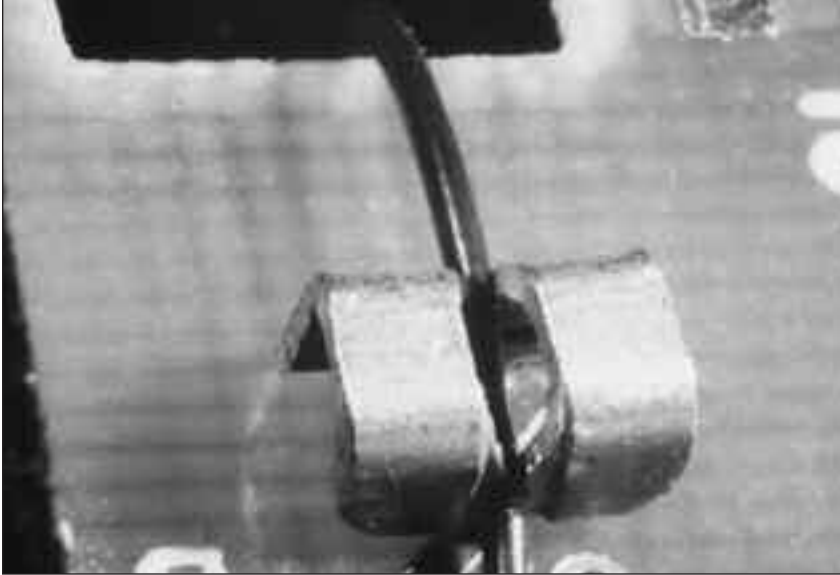
For exact finish specifications and available special finishes, see Finish Table (page 106).



\*Tolerance: ±0.015 (0.38)

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

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.

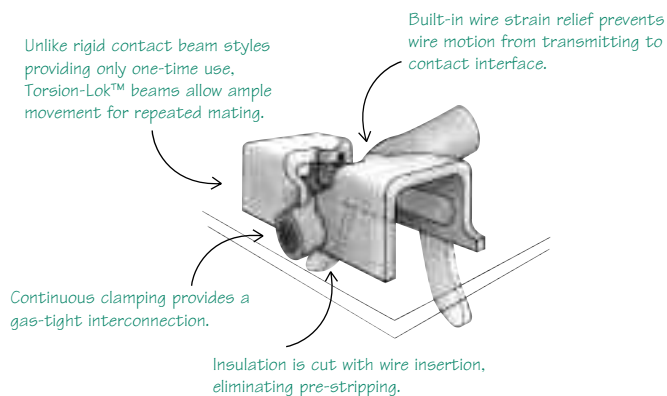
Designed for rigorous PCB and wire-end connection requirements, Torsion-Lok™ IDC's outperform traditional rigid contact beam IDC styles. Unlike a rigid IDC, the Torsion-Lok™ permits a high degree of movement by the connection contacts. This greater movement allows a contact beam deflection range that 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.

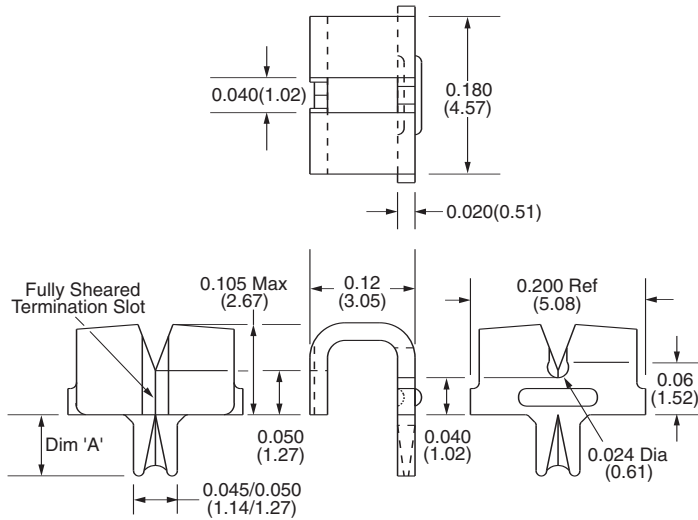
Zierick's family of Torsion-Lok™ IDC's are available in loose and reeled formats for #30 through #14 AWG solid or stranded wire sizes. PCB and wire assembly can be done manually with Zierick hand tools and fixtures or automatically with Zierick semi- and fully-automated applicator systems.

- 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.



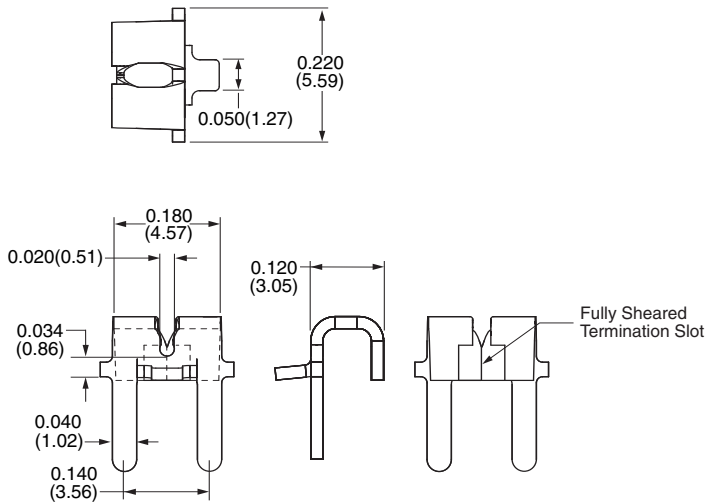
\*U.S. Patent No. 5,022,868 and other international patents

# IDC (Insulation Displacement Connector) For #30-26 AWG Wire



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

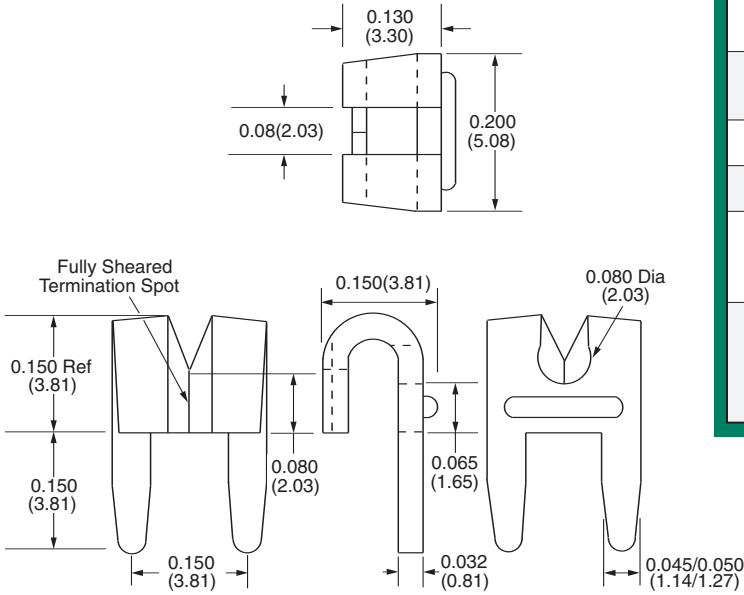


<b>Loose Part No.</b>	N/A
<b>Reeled Part No.</b>	6114
<b>Mounting Type</b>	Outward or inward Splay Surface Mount Solder 0.062" (1.57mm) thick PCB
<b>Material Thickness/ Type</b>	0.020" (0.51mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Wire Gauge Range</b>	#30-26 AWG
<b>Mounting Hole Diameter</b>	2 holes 0.050" ±0.003" (1.27mm ± 0.076mm) on 0.140" (3.56mm) centers
<b>Applicator System</b>	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).

# IDC (Insulation Displacement Connector) For #24-18 AWG Wire

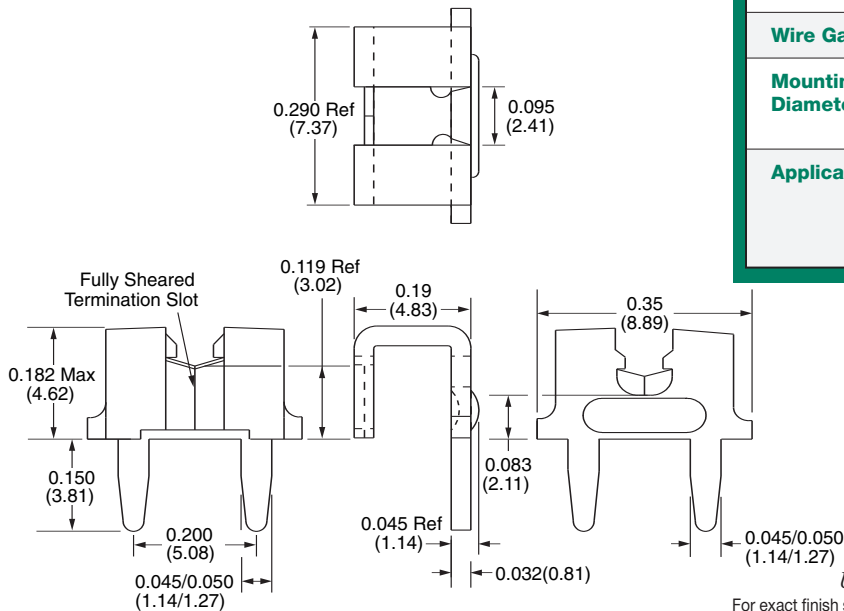
<b>Loose Part No.</b>	1119
<b>Reeled Part No.</b>	6119
<b>Mounting Type</b>	Outward or Inward Splay 0.062" (1.57mm) thick PCB
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Reeled: 100% Tin over Copper
<b>Wire Gauge Range</b>	#24-18 AWG
<b>Mounting Hole Diameter</b>	2 holes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

<b>Loose Part No.</b>	1039	<b>PN 6039 OBSOLETE</b>
<b>Reeled Part No.</b>	6039	
<b>Mounting Type</b>	Outward or Inward Splay 0.062" (1.57mm) thick PCB	
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Wire Gauge Range</b>	#24-18 AWG	
<b>Mounting Hole Diameter</b>	2 holes 0.058" ±0.003" (1.47mm ±0.076mm) on 0.200" (5.08mm) centers	
<b>Applicator System</b>	Loose: ZPT-1039 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500	

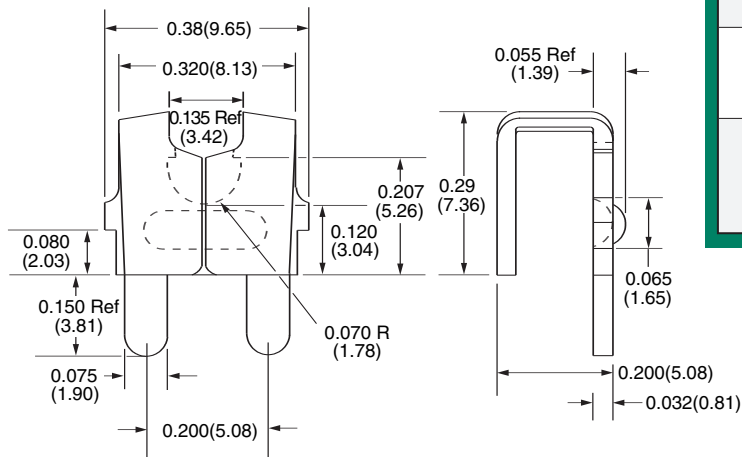


U.S. Patent No. 5,022,868 and other international patents

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



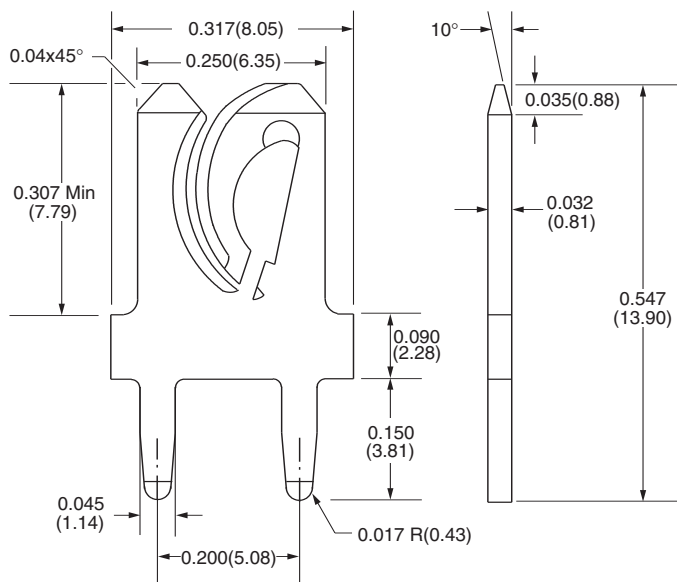
## IDC (Insulation Displacement Connector) For #16-14 AWG Wire



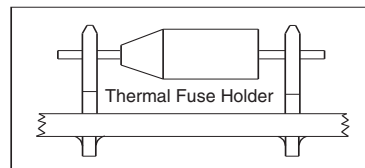
<b>Loose Part No.</b>	1174
<b>Reeled Part No.</b>	6174
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Wire Gauge Range</b>	#16-14 AWG
<b>Mounting Hole Diameter</b>	2 holes 0.080" ±0.003" (2.03mm ±0.076mm) on 0.200" (5.08mm) centers
<b>Applicator System</b>	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



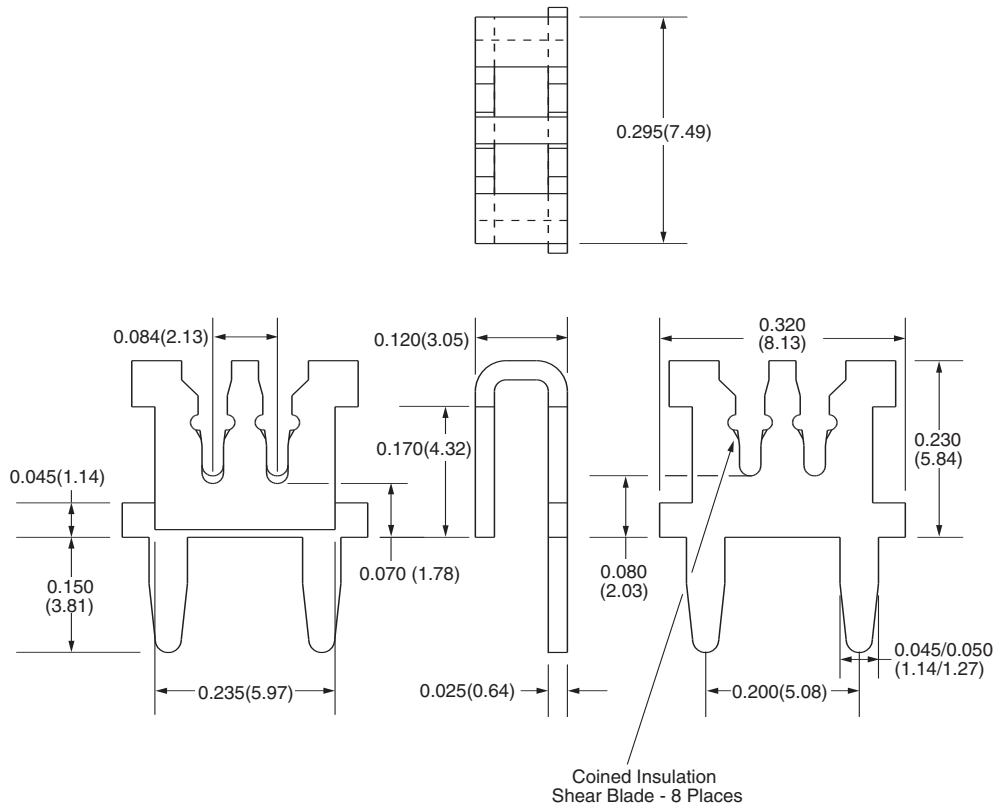
<b>Loose Part No.</b>	1185
<b>Reeled Part No.</b>	6185
<b>Mounting Type</b>	Outward or Inward Splay
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper
<b>Wire Gauge Range</b>	#24-18 AWG
<b>Mounting Hole Diameter</b>	2 holes 0.058" ±0.003" (1.47mm ±0.076mm) on 0.200" (5.08mm) centers
<b>Applicator System</b>	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).

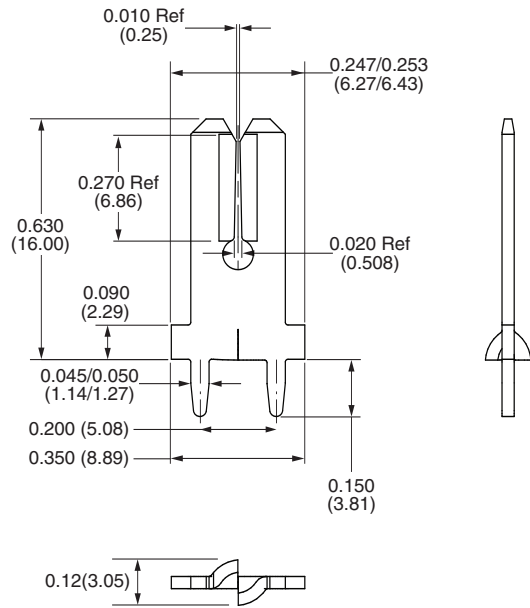
# IDC (Insulation Displacement Connector) For #19-18 AWG Magnet Wire

<b>Loose Part No.</b>	1072	<b>PN 1072 OBSOLETE</b>
<b>Reeled Part No.</b>	6072	
<b>Mounting Type</b>	Outward or Inward Spla	
<b>Material Thickness/ Type</b>	0.025" (0.64mm) Brass	
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
<b>Wire Gauge Range</b>	#19-18 AWG Magnet Wire	
<b>Mounting Hole Diameter</b>	2 holes 0.058" ±0.003" (1.47mm ±0.076mm) on 0.200" (5.08mm) centers	
<b>Applicator System</b>	Loose: ZPT-1072 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTX-XXXX-X Wire Termination Press: Model 5500	



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

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



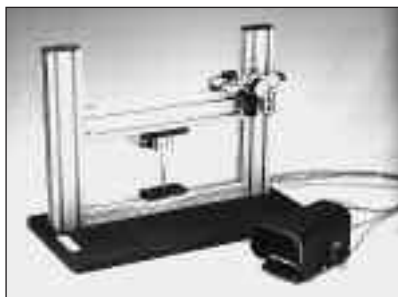
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WTP-4ALL



WTPPS-1XXX-X

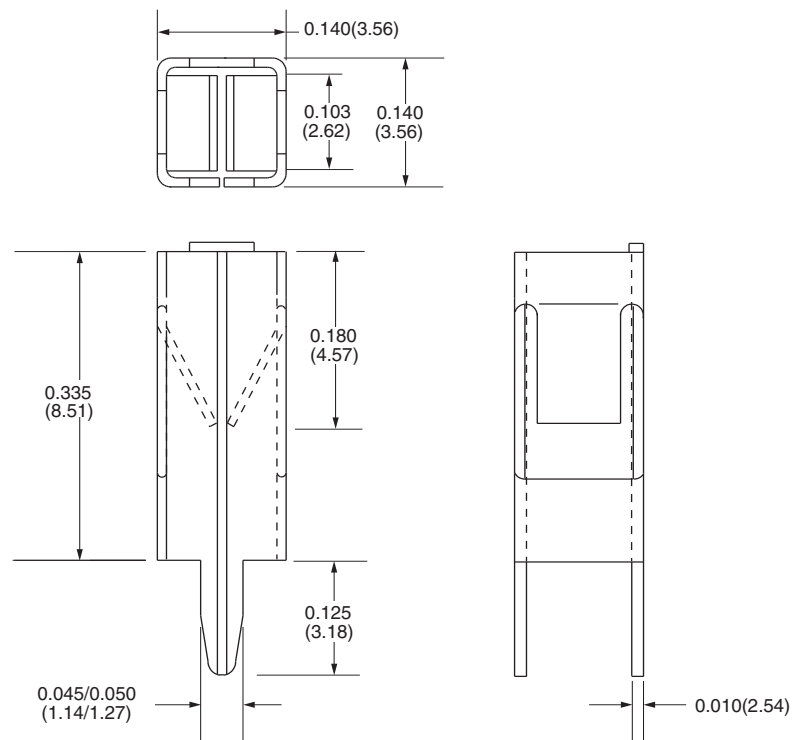


M5500 INSERTION PRESS



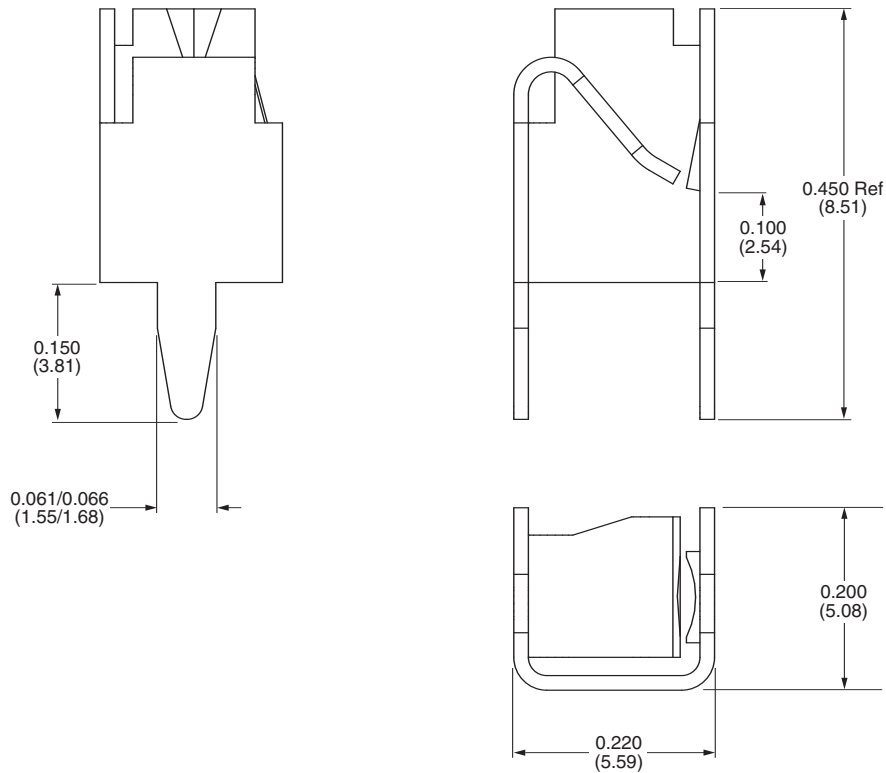
WTPPL-1XXX-X

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

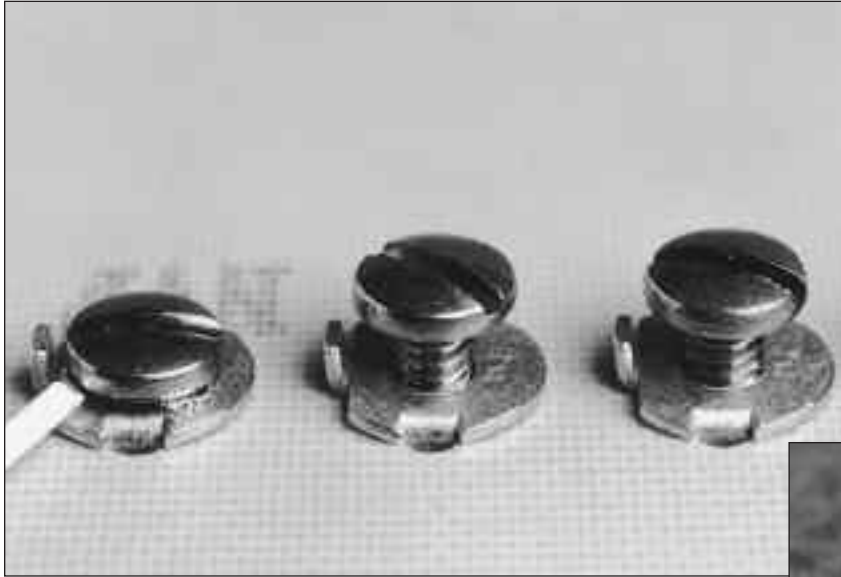


For exact finish specifications and available special finishes, see Finish Table (page 106).

Loose Part No.	Reeled Part No.	Mating Wire Size	
1176	6176	#14-#16 AWG	
Application Data			
<b>Mounting Type</b>	Outward Splay	<b>Mating Type</b>	Vertical
<b>Material Thickness/Type</b>	0.016" (0.40mm) CDA260 Brass	<b>Applicator System</b>	Loose: Consult factory Reeled: Model 9700, 9700 XY
<b>Standard Finish</b>	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	<b>Mounting Hole Diameter</b>	2 holes 0.072"±0.003" Dia. (1.83mm±0.076mm) on 0.200" centers (5.08mm)
<b>Mating Entry</b>	Top		
Performance Data			
<b>Current Rating</b>	10 Ampere	<b>Insertion Force-Max.</b>	Application Dependent
<b>Resistance Rating</b>	10mΩ Max	<b>Withdrawal Force-Min.</b>	Application Dependent
<b>Temperature Rating</b>	-65°C to 75°C		



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



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.

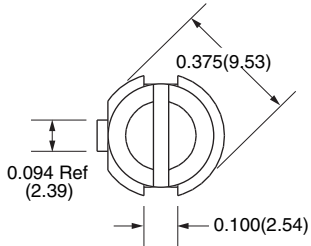
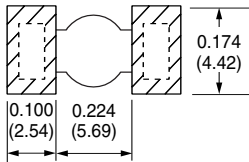
Zierick's new Combination Head Screw allows the use of either slot or Phillips head screwdrivers. It is a 1/4" x 6-32 stainless steel pan head combination screw which is inserted and can be staked and backed out.

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

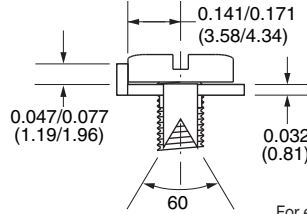
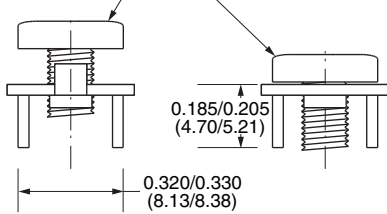
Consult the factory to obtain information on availability of the Combination Head Screw on other binding posts.

# Screw Terminals/Binding Posts

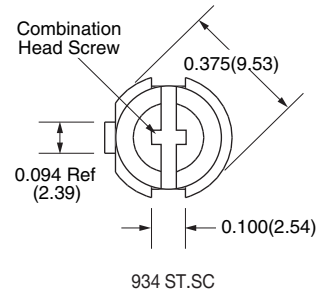
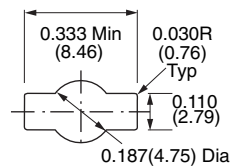
## Recommended Pad Geometry (Underside of PCB)



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



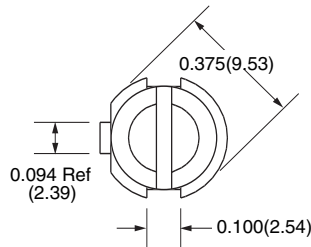
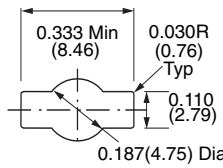
## Typical PCB Mounting Configuration



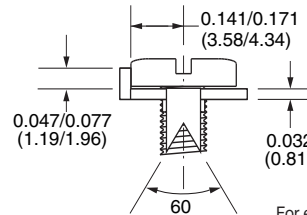
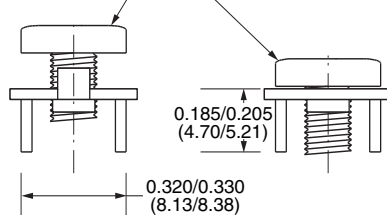
For exact finish specifications and available special finishes, see Finish Table (page 106).

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

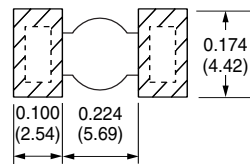
## Typical PCB Mounting Configuration



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



## Recommended Pad Geometry (Underside of PCB)



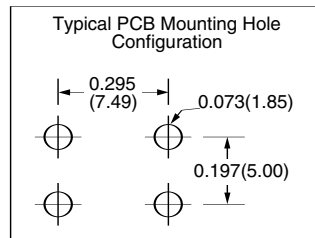
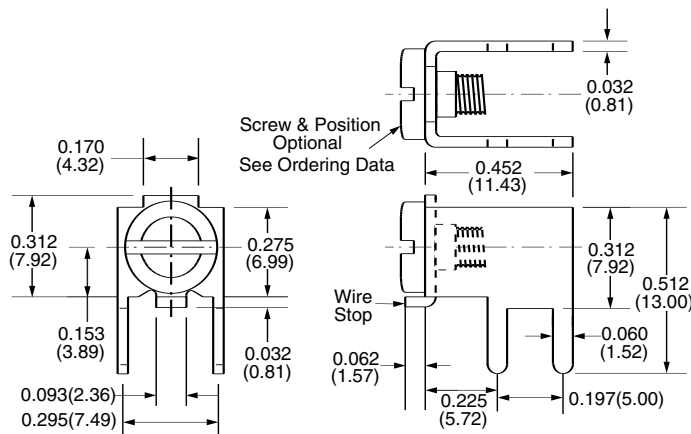
Loose Part No.	934 MSS	1108
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper	100% Tin over Copper
<b>Screw Type</b>	Magnetic Stainless Steel Binding Head 1/4" (6.35mm) x 6-32	Stainless Steel Binding Head 1/4" (6.35mm) x 6-32
<b>Screw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

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

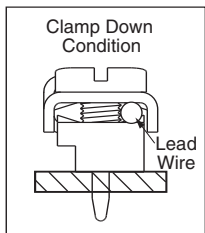


# Screw Terminals / Binding Posts

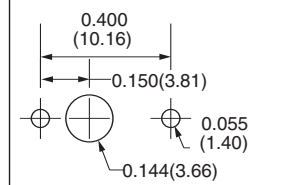
Loose Part No.	1117 ST. S	1117	1116 ST. S	1116	1202 ST. S
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass	0.032" (0.81mm) Pre-plated Brass
<b>Standard Finish</b>	Pre-Tinned Brass	Pre-Tinned Brass	Pre-Tinned Brass	Pre-Tinned Brass	Pre-Tinned Brass
<b>Screw Type</b>	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
<b>Screw Position</b>	Inserted & Down	N/A	Inserted & Down	N/A	Inserted, Staked & Backed Out
<b>Wire Stop</b>	No	No	Yes	Yes	Yes



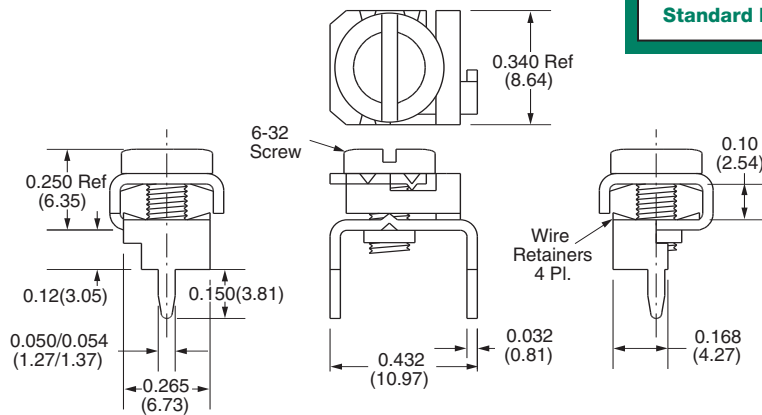
For exact finish specifications and available special finishes, see Finish Table (page 106).



Typical PCB Mounting Configuration



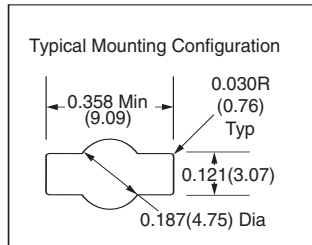
<b>Loose Part No.</b>	1030
<b>Material Thickness/ Type</b>	0.032" (0.81mm) Brass
<b>Screw Type</b>	Stainless Steel Binding Head 5/16" (7.92mm) x 6-32
<b>Screw Position</b>	Down until just touching surface of part
<b>Standard Finish</b>	100% Tin over Copper



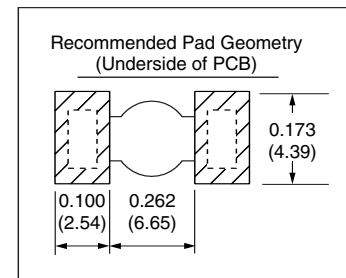
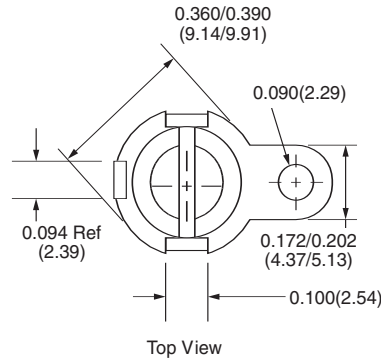
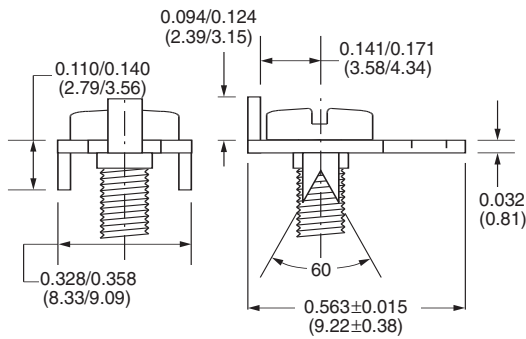
**Note:** Hidden Surfaces Not Shown to Maintain Illustration Clarity

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

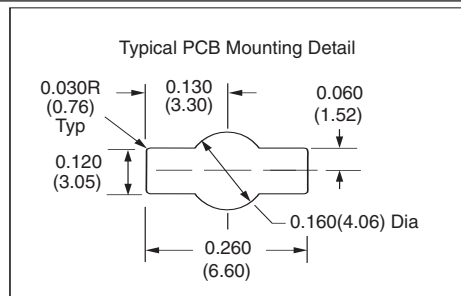
# Screw Terminals / Binding Posts



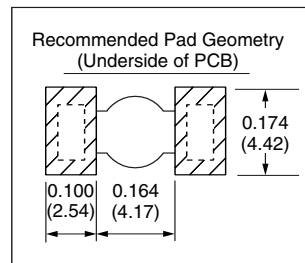
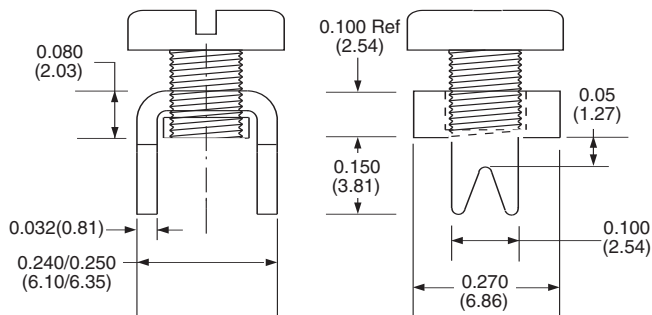
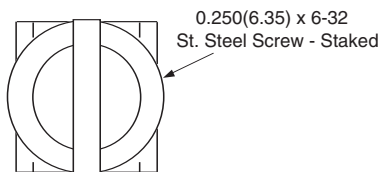
<b>Loose Part No.</b>	792	348
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper	100% Tin over Copper
<b>Screw Type</b>	No Screw	Tin Plated Brass Binding Head 5/16" (7.94mm) x 6-32
<b>Screw Position</b>	No Screw	Down, No Stake



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

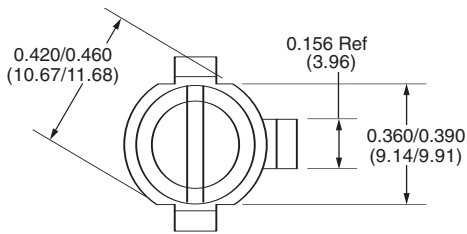


<b>Loose Part No.</b>	1158 ST. S
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper
<b>Screw Type</b>	Stainless Steel Binding Head 0.250" (6.35mm) x 6-32
<b>Screw Position</b>	Inserted, Staked and Backed-Out



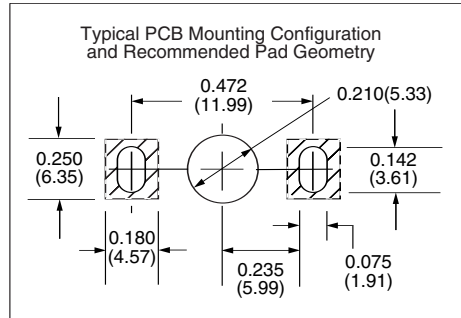
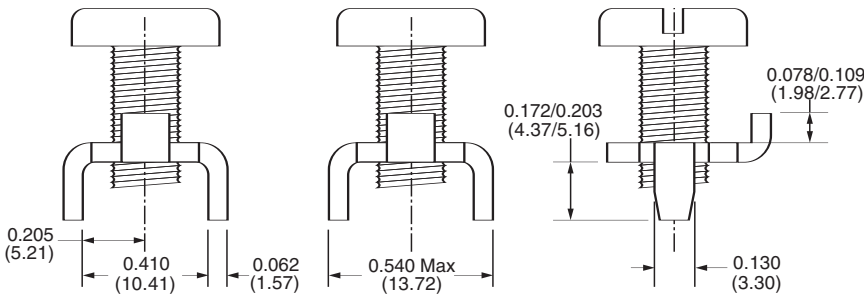
For exact finish specifications and available special finishes, see Finish Table (page 106).

## Screw Terminals / Binding Posts



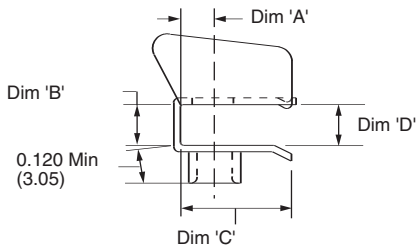
<b>Loose Part No.*</b>	928-No Screw	928
<b>Material Thickness/Type</b>	0.062" (1.57) Brass	0.062" (1.57) Brass
<b>Standard Finish</b>	100% Tin over Copper	100% Tin over Copper
<b>Screw Type</b>	No Screw	Stainless Steel Binding Head 1/4" (6.35mm) x 10-32
<b>Screw Position</b>	No Screw	Inserted, Staked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

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



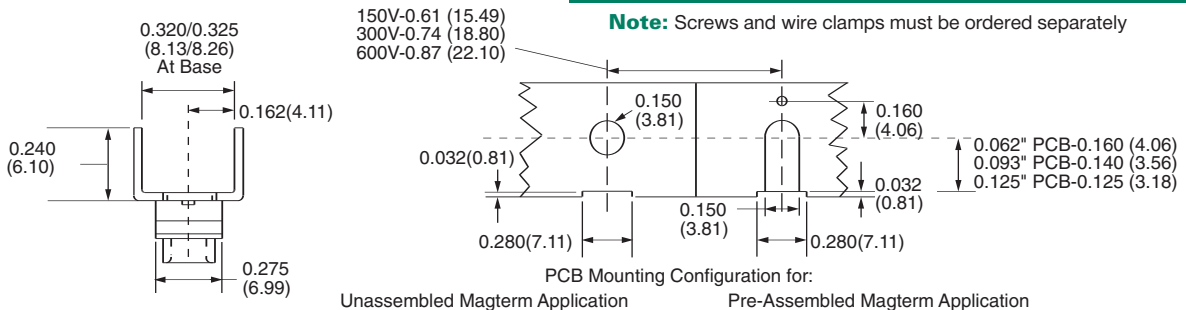
For exact finish specifications and available special finishes, see Finish Table (page 106).

## MAGTERM Screw Terminals / Binding Posts



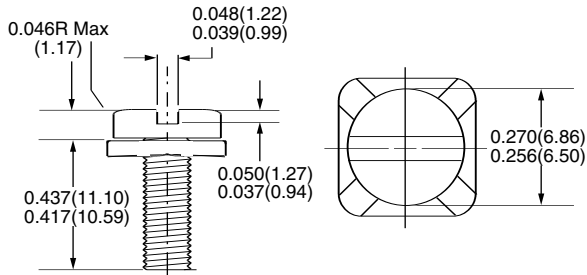
<b>Loose Part No.</b>	M6111	M6112
<b>Material Thickness/Type</b>	0.032" (0.81mm) Brass	0.032" (0.81mm) Brass
<b>Standard Finish</b>	100% Tin over Copper	
<b>Screw Specifications</b>	No Screw	No Screw
<b>Dim 'A'</b>	0.160" (4.06mm)	0.145" (3.68mm)
<b>Dim 'B'</b>	0.070"/0.075" (1.78mm/1.91mm)	0.102"/0.107" (2.59mm/2.72mm)
<b>Dim 'C'</b>	0.380" (9.65mm)	0.365" (9.27mm)
<b>Dim 'D'</b>	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



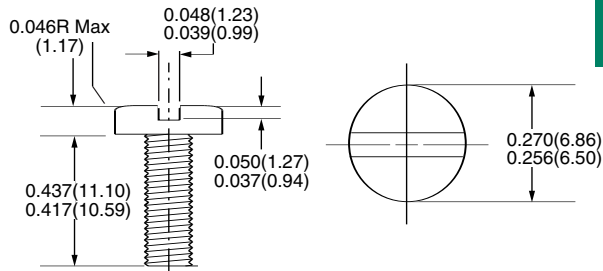
PCB Mounting Configuration for:  
Unassembled Magterm Application      Pre-Assembled Magterm Application

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



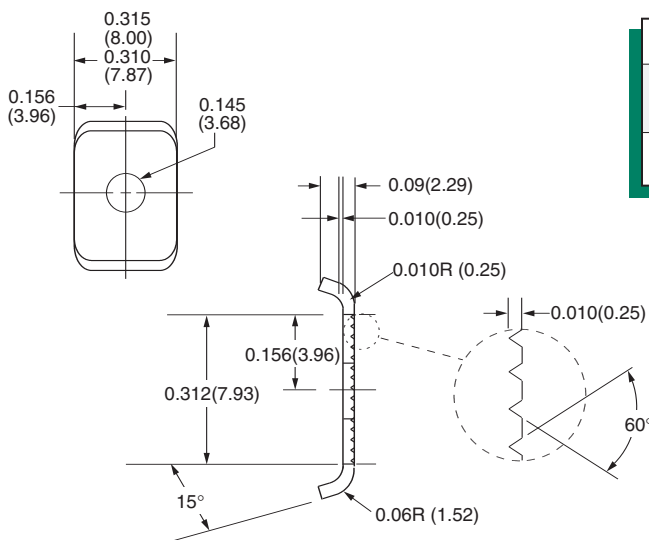
<b>Loose Part No.</b>	7/16 SEMS Screw
<b>Material Thickness/Type</b>	Steel
<b>Standard Finish</b>	Zinc
<b>Screw Type</b>	7/16" (11.11mm) x 6-32 Screw with Integral Wire Clamp

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



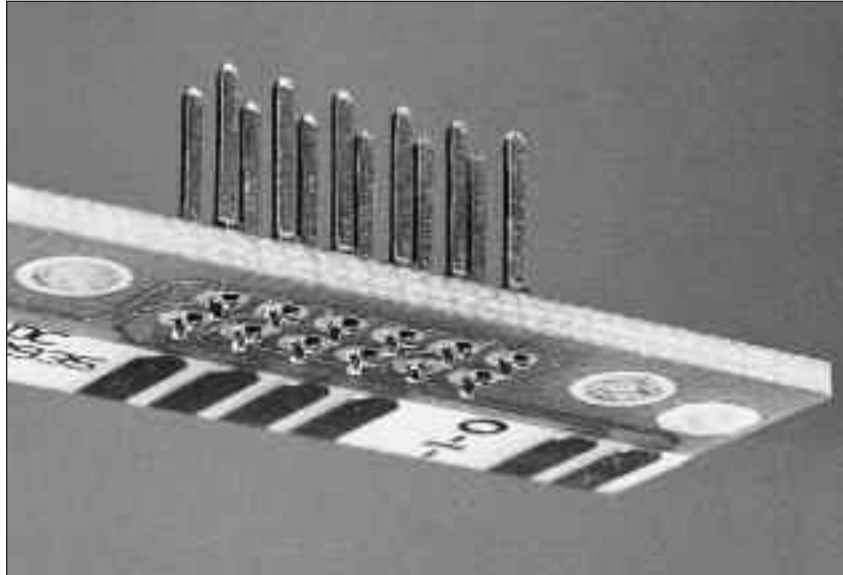
<b>Loose Part No.</b>	7/16 632 BET SC
<b>Material Thickness/Type</b>	Brass
<b>Standard Finish</b>	100% Tin
<b>Screw Type</b>	7/16" (11.11mm) x 6-32 Brass Binding Head Screw

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



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

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



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  $\pm 0.003$ " ( $\pm 0.076$ mm), 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.

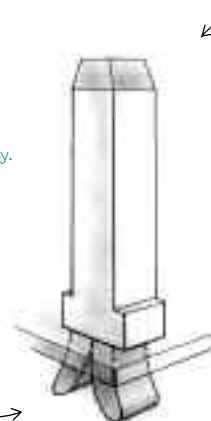
Accu-Post terminals are available in reeled format, in 0.045" (1.14mm) square and 0.031" x 0.062" (0.79mm x 1.57mm) post sizes. PCB assembly is accomplished with semi- and fully-automated applicators.

- Accu-Post terminals provide accurate, secure, PCB mounting.
- Accu-Lok™ mounting permits the use of mounting holes with a diameter tolerance of  $\pm 0.003$ " ( $\pm 0.076$ mm).

- 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™'s retentive mounting feature produces exceptional PCB assembly and interconnection integrity.

PCB retention is accomplished by a controlled splitting and forming of the terminal leg during insertion.



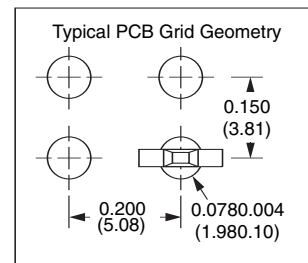
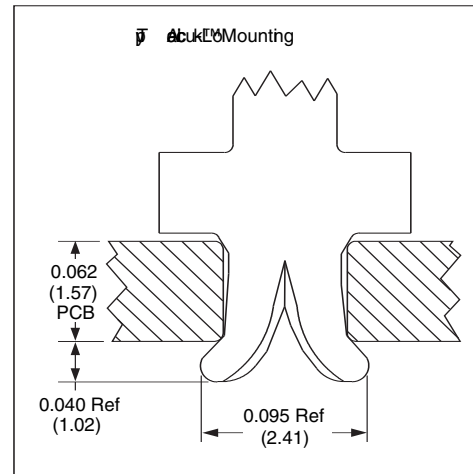
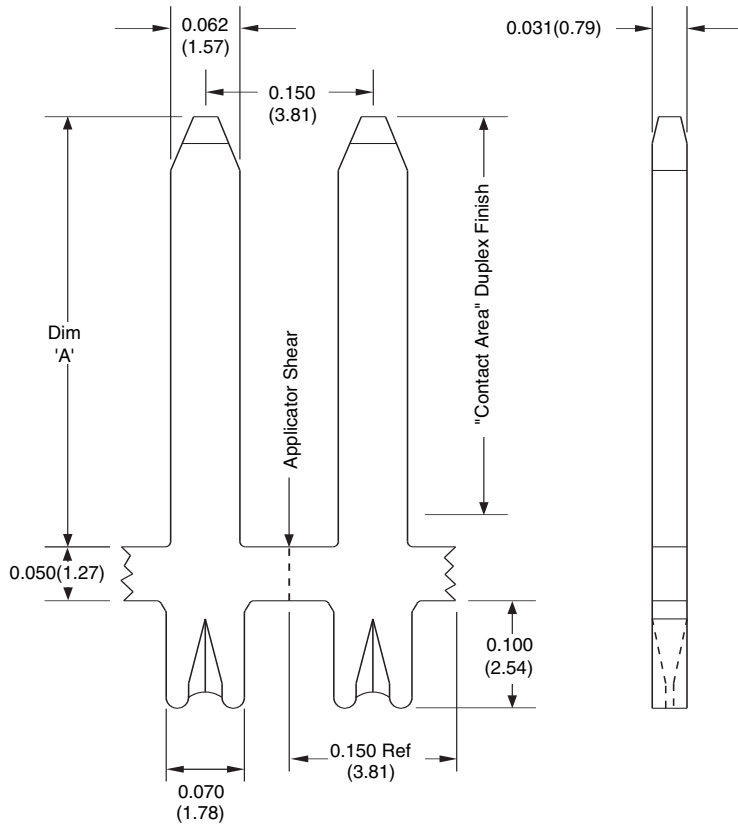
The solder joint is protected from stress due to mating, withdrawal, or shock.

Since Accu-Lok™'s unique design is not a press fit, it prevents hole damage and deformity.

*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

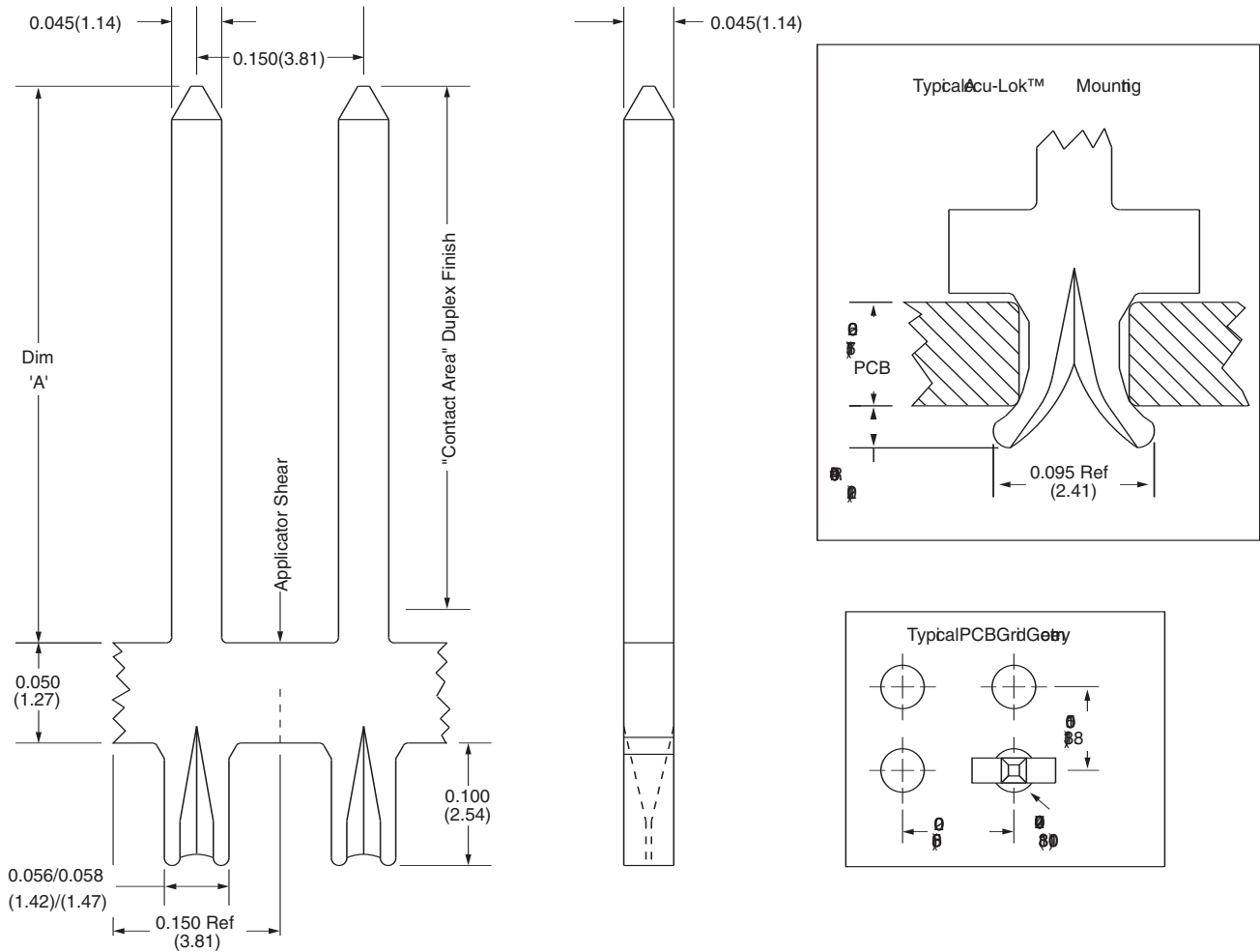
<b>Reeled Part Number</b>	6073-350	6073-360	6073-380	6073-400	6073-490	6073-xxx-xxx
<b>Dim 'A'</b>	0.350" (8.89mm)	0.360" (9.14mm)	0.380" (9.65mm)	0.400" (10.16mm)	0.490" (12.45mm)	Customer Reqmt.
<b>Mounting Type</b>	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™
<b>Material Thickness/Type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

# 0.045" (1.14mm) Square Accu-Post Terminals

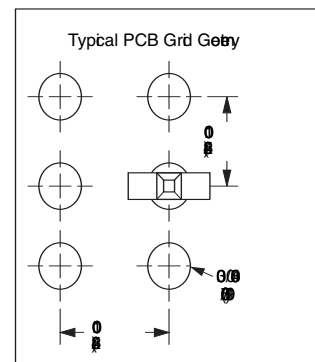
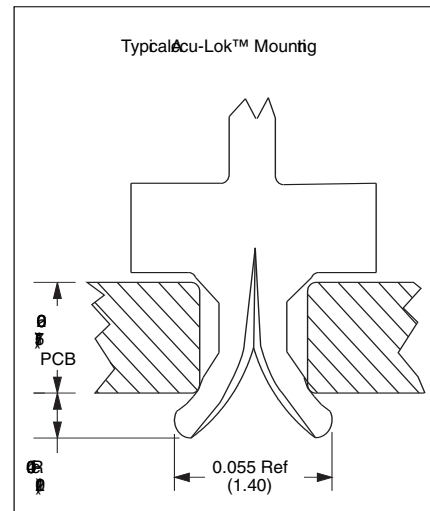
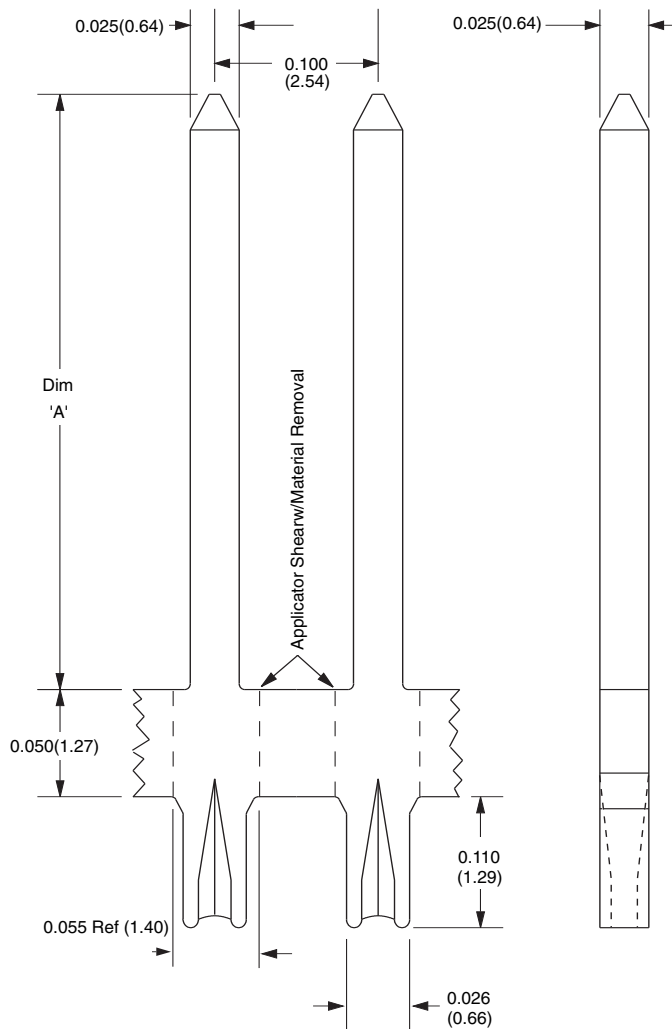
<b>Reeled Part Number</b>	6075-250	6075-312	6075-375	6075-450	6075-xxx
<b>Dim 'A'</b>	0.250" (6.35mm)	0.312" (7.92mm)	0.375" (9.53mm)	0.450" (11.43mm)	Consult Factory
<b>Mounting Type</b>	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™	Accu-Lok™
<b>Material Thickness/Type</b>	0.045" (1.14mm) Brass	0.045" (1.14mm)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