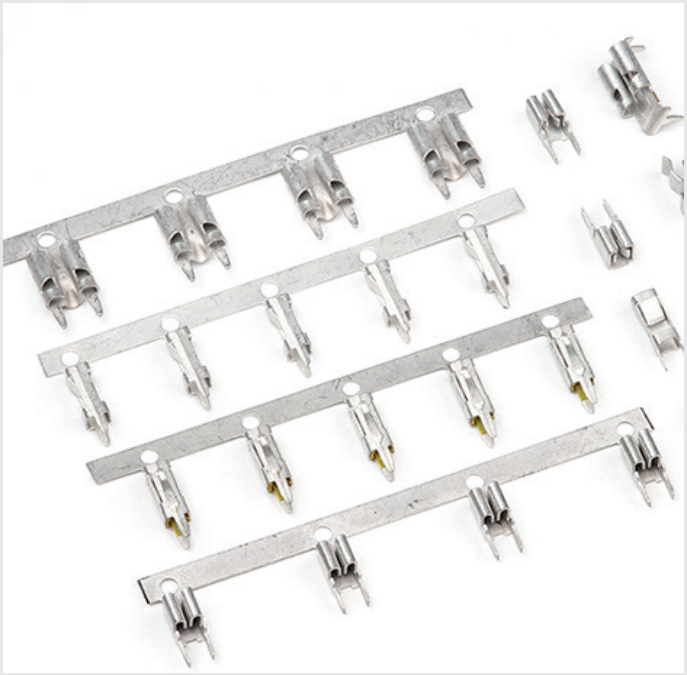
Product-Information

THR/THD Receptacles

Features and Benefits

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



Produkt Discription

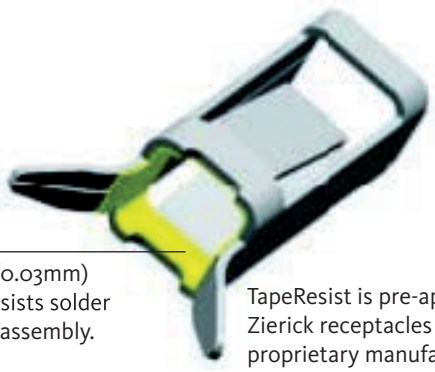
Some of Zierick's Accu-Pak™ connector line now feature optional technology to prevent solder from wicking onto the internal contact areas during the wave solder process. Zierick's TapeResist solder masking technology is a remarkable advancement for PCB assembly as it utilizes pre-applied 0.001" (0.03mm)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

TapeResist allows stamped connectors to withstand internal solder wicking without the need for expensive, non solderable selective plated finishes. Secondary plugging or taping operations are also eliminated. The TapeResist film is precision-applied via an exclusive stamping process which eliminates the secondary processing needed with selective plating.

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

There is no need for specialized preparation or cleaning with TapeResist connectors.

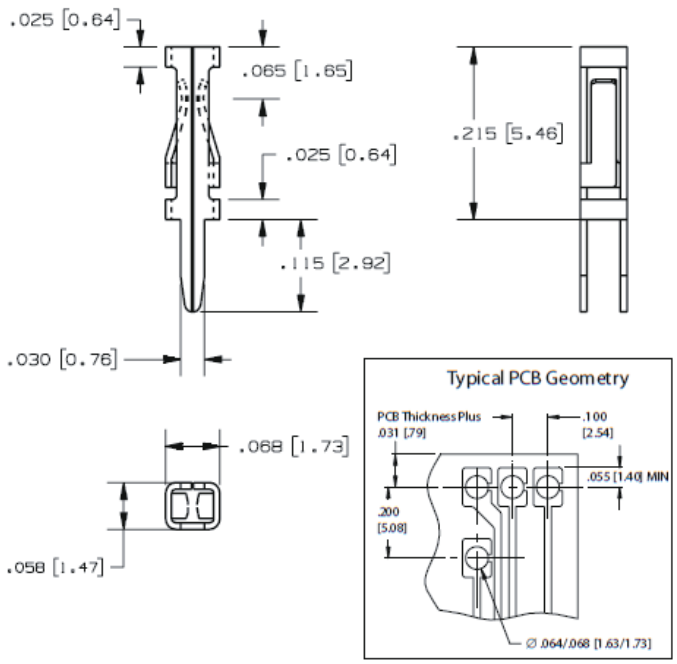
Zierick Box Connectors with pre-applied TapeResist are inserted in the PCB as usual. After soldering, the Tape Resist™ remains in place.



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

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

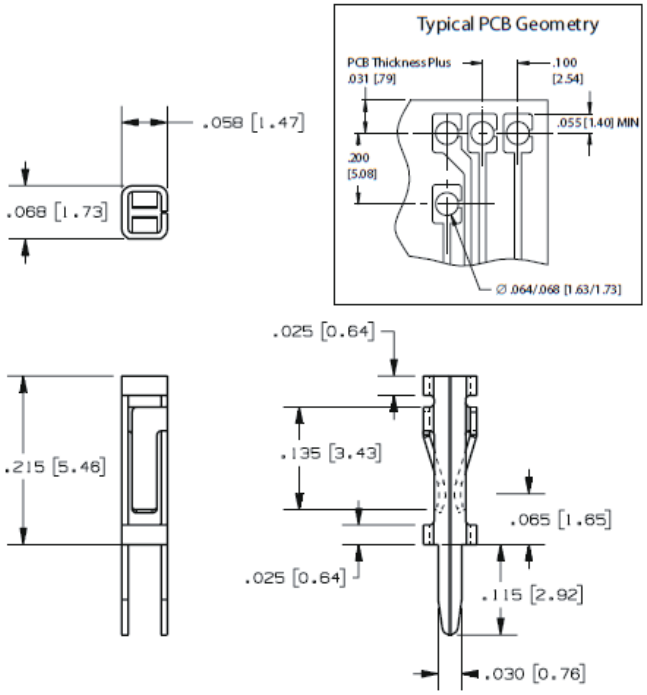
0.025" (0.64mm) Box Receptacles - Bottom Entry



Part Number 6100

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

0.025" (0.64mm) Box Receptacles - Top Entry



Part Number 6101

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

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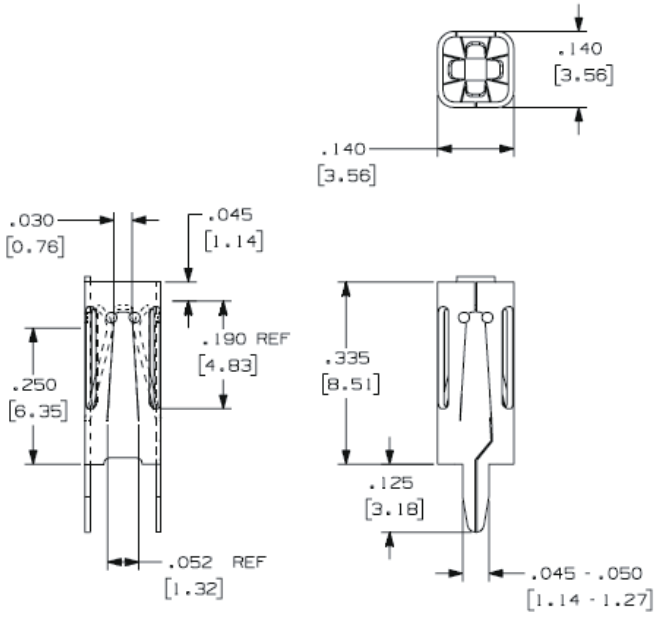
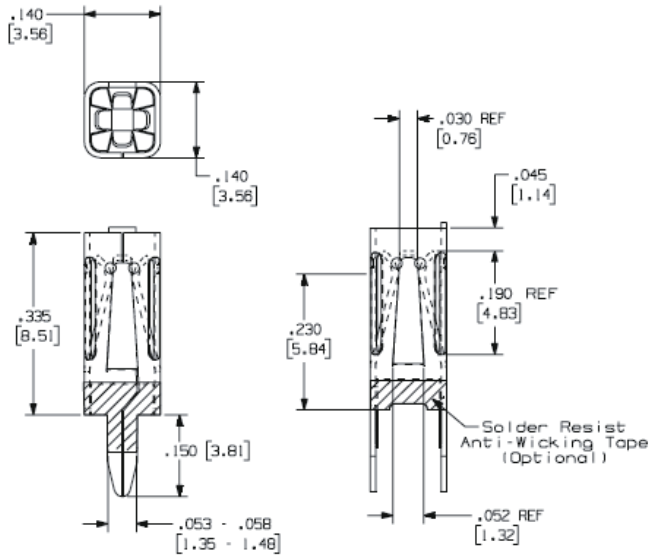
Bottom Entry 4 Beam Box Receptacles



Part Numbers 1062, 6062

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



Part Number 6062-101

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

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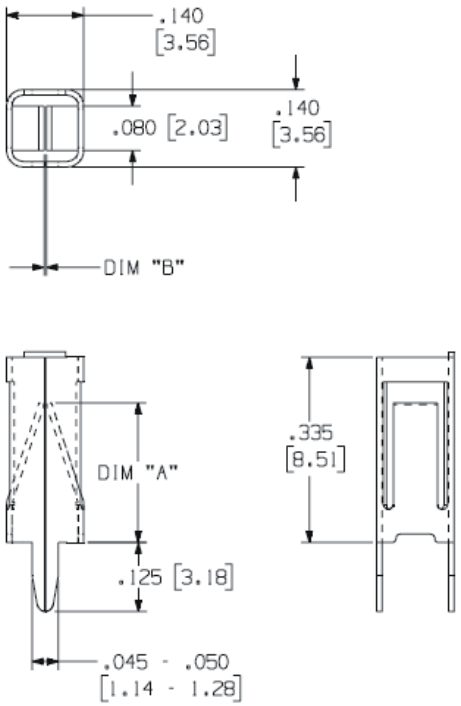
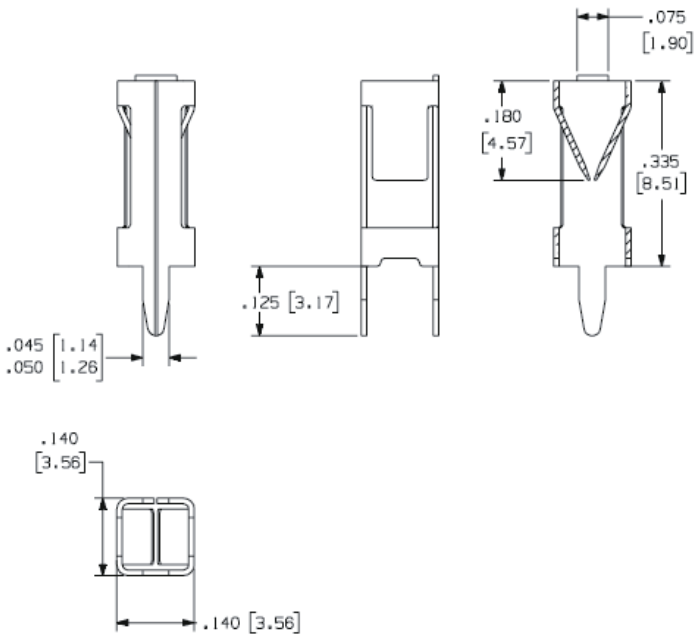
Bottom Entry 2 Beam Box Receptacles



Part Numbers 1193, 6193, 1200, 6200

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

Top Entry 2 Beam Box Receptacles



Part Numbers 1187, 6187

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

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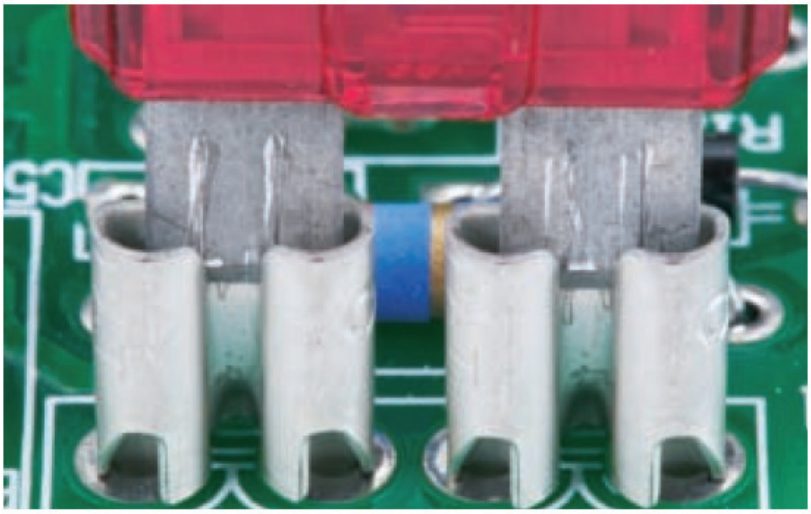
Accu-Pak™ Tab Receptacles

Features and Benefits

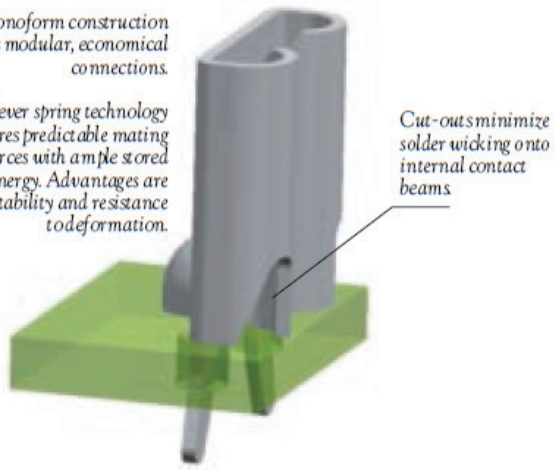
- *Accu-Pak™ receptacles are available in many geometries.*
- *They provide dependable connections and exhibit exceptional performance.*
- *The contact spring design ensures predictable mating forces and high resistance to permanent deformation.*
- *These receptacles mate easily with standard male terminals,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



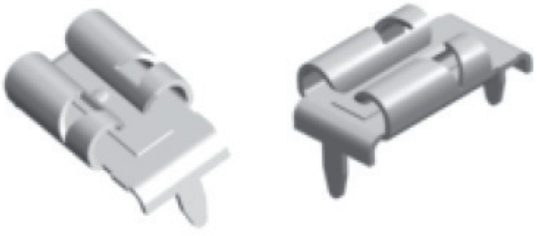
For highly repeatable PCB-to-PCB, PCB-to-Component, PCB-to-Lead Wire, and auto fuse interconnections, *Accu-Pak™* PCB mountable receptacles offer outstanding yet economical performance. Vertical and horizontal configurations are easily accomplished.

Monoform construction allows modular, economical connections.

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



Cut-outs minimize solder wicking onto internal contact beams.



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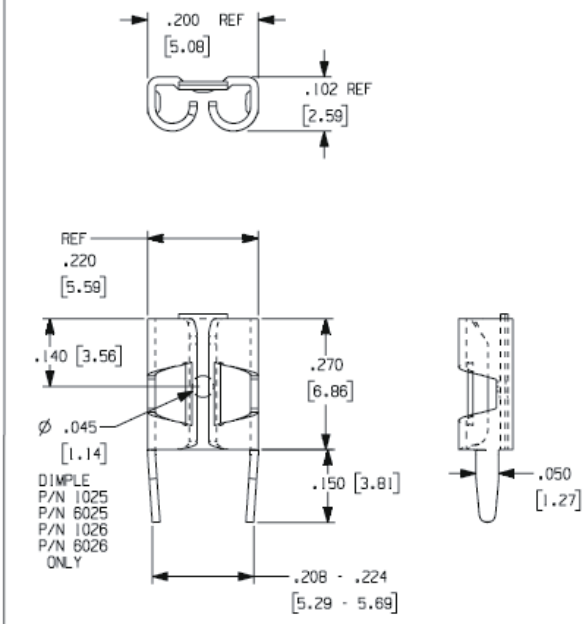
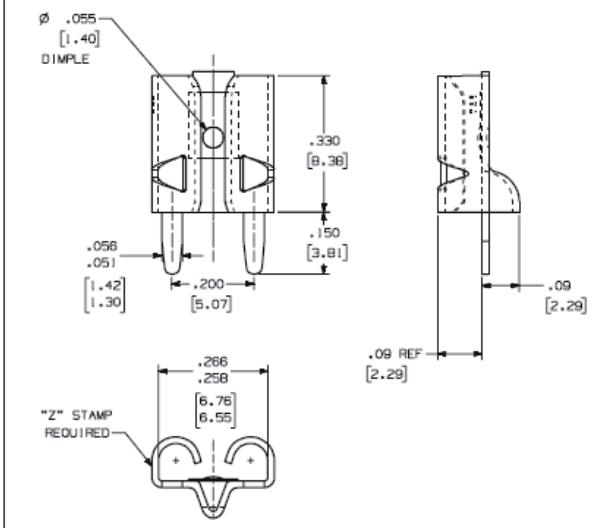
0.187" (4.75mm) Tab Receptacles



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

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

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



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

Loose Part No.	1022	1037	1123
Reeled Part No.	6022	6037	6123
Mating Terminal Size	0.250" x 0.032" (6.35mm x 0.81mm) Tab* 0.205" x 0.032" (5.21mm x 0.81mm) Tab*	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)	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 0.64mm) Tin/Non-Brass - Relays or Fuses - Dual/Multiple Mating
Mounting Type	Outward or Inward Splay		
Material Thickness / Type	0.016" (0.41mm) Brass		
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper		
Mating Entry	Top		
Mounting Hole Diameter	0.058" ±0.003" (1.473mm ±0.076mm) on 0.200" ±0.003" (5.08mm ±0.076mm) centers		
Current Rating	20 Amperes*		
Resistance Rating	10mOhm Max		
Temperature Rating	-65° to 85°C		
Applicator System	Loose: ZPT81-A Reeled: Model 9700, 9700 XY		

**With Brass Tab*

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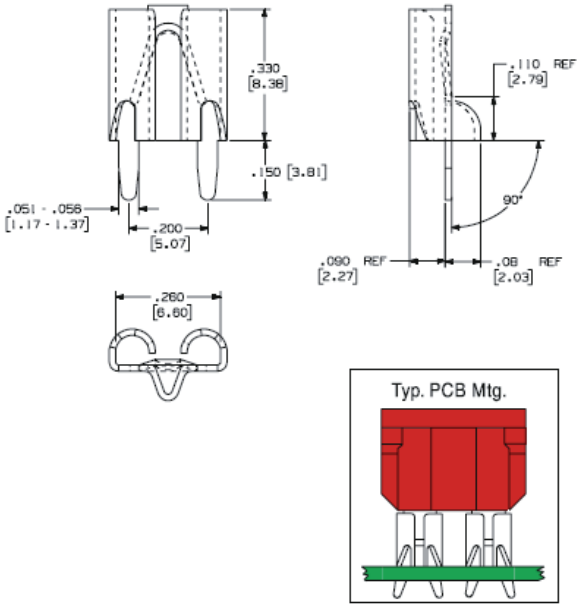
0.205" (5.21mm) and 0.250" (6.35mm) Tab Receptacles

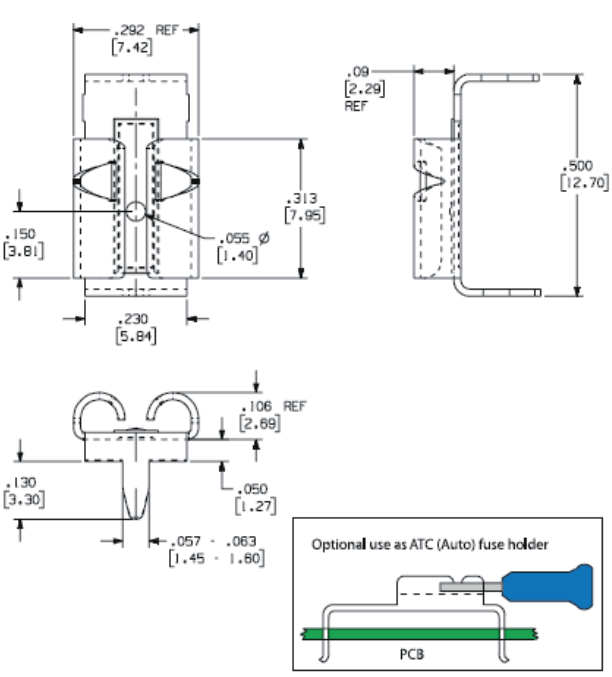


Part Numbers 1154, 6154, 1225, 6225

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

With Steel Test Tab

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



Part Numbers 1093, 1090

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

With Steel Test Tab

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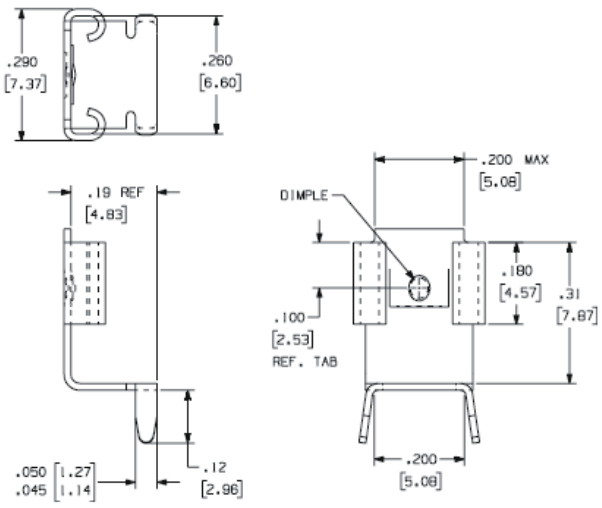
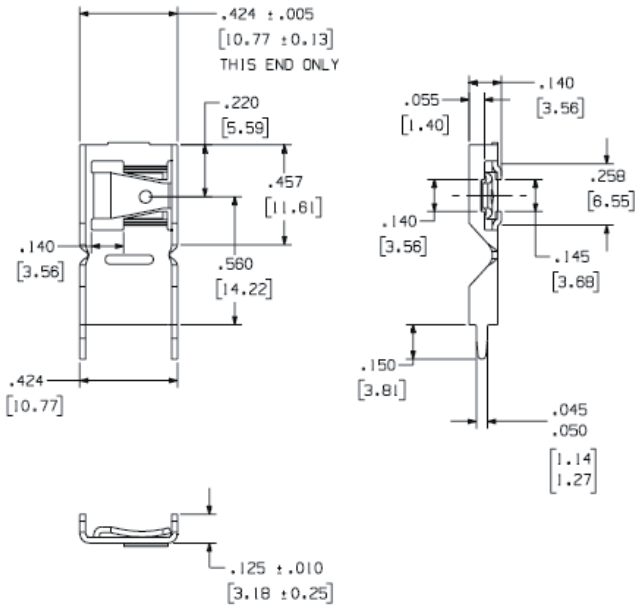


Part Numbers 983, 984

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



Part Number 6120

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

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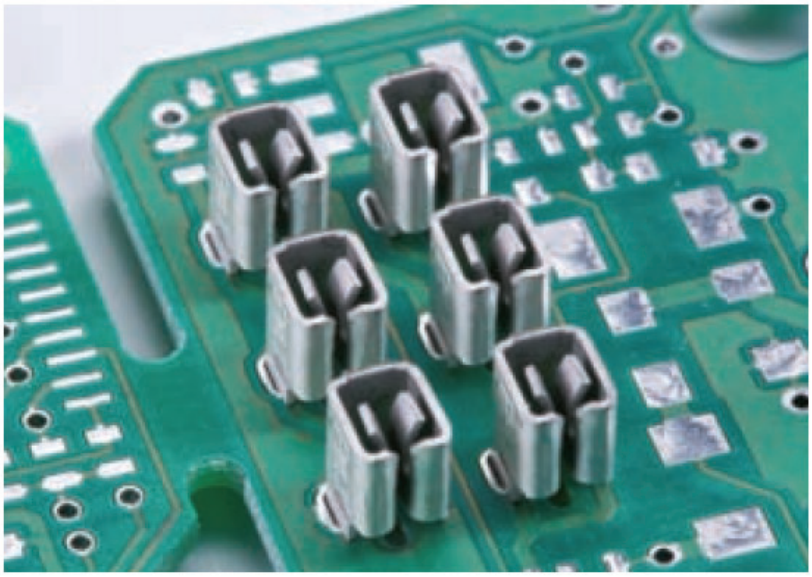
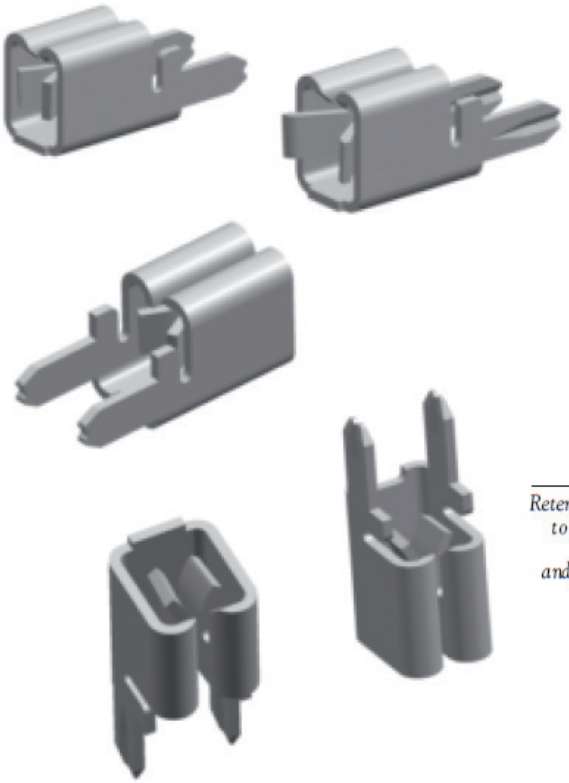
Universal Tab Receptacles

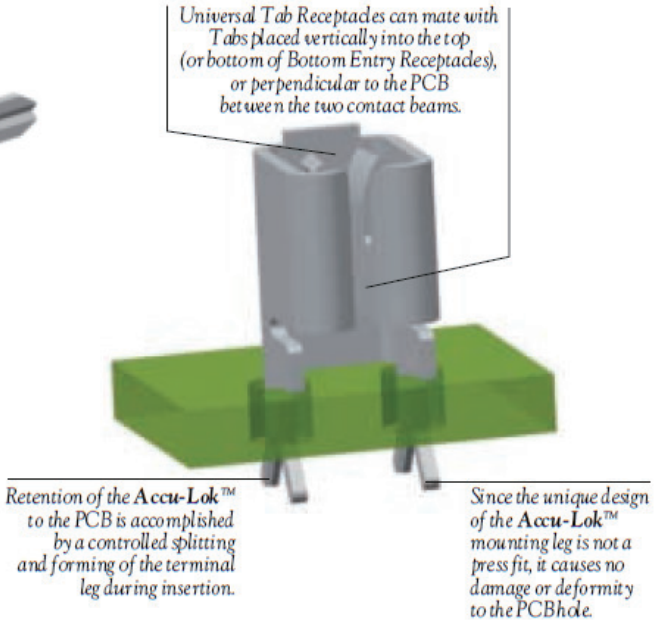
Features and Benefits

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



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





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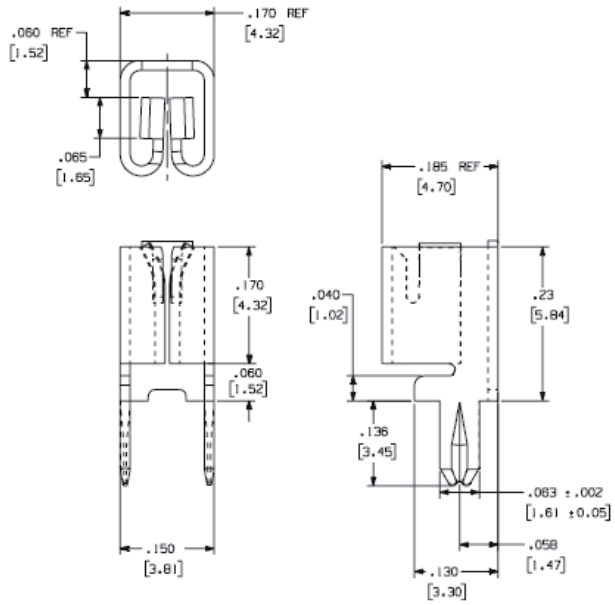
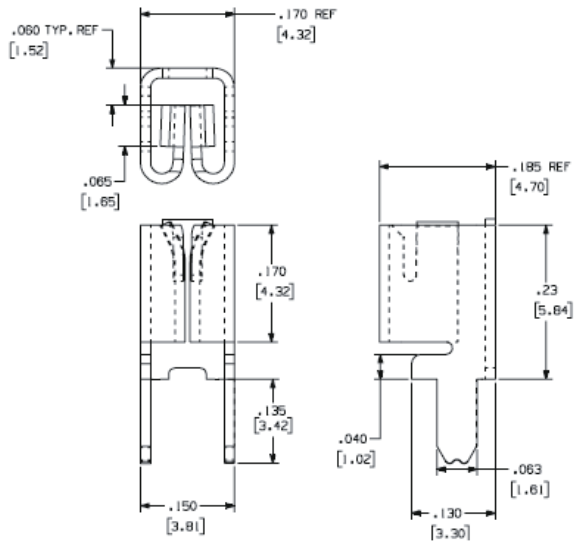
Universal Tab Receptacles for 0.025" (0.64mm) and 0.032" (0.81mm) Thick Terminals



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

Loose Part No.	1092	1274
Reeled Part No.	6092	6274
Taped Part No.	1092T-KT	1274T
Mating Terminal Size	0.025" (0.64mm) and 0.032" (0.81mm)	0.020" (0.51mm) and 0.032" (0.81mm)
Mounting Type	Split Leg Inward Splay	
Material Thickness / Type	0.016' (0.41mm) Brass	
Standard Finish	Loose: 100% Tin over Copper Reeled: 100% Tin over Copper	
Mating Entry	Top and Horizontal	
Mounting Hole Diameter	2 holes 0.066' ±0.003' (1.68mm ±0.76mm) on 0.134" ±0.003" (3.40mm ±0.76mm) centers	
Current Rating	20 Amperes	
Resistance Rating	10mOhm Max	
Temperature Rating	-65° to 85°C	
Applicator System	Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY	



Part Numbers 1290, 6290

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

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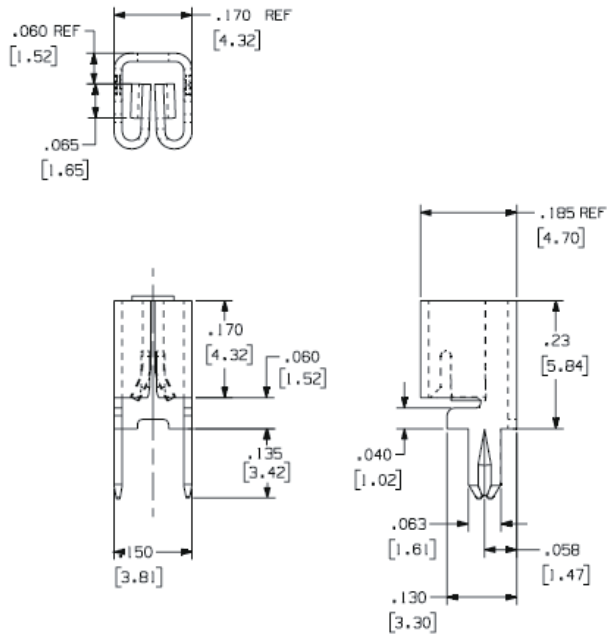
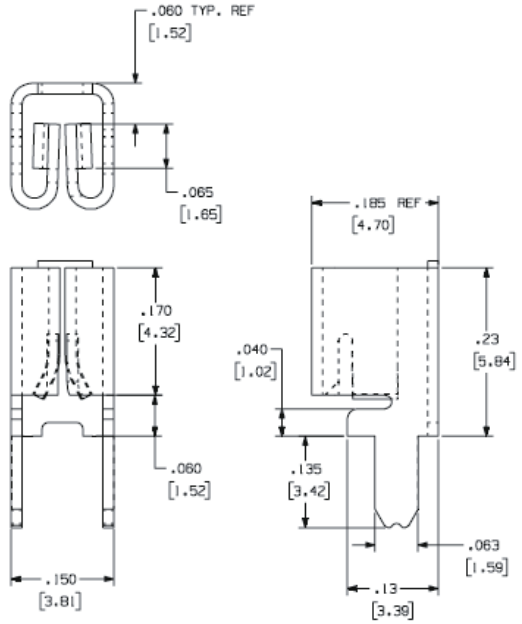


Part Numbers 1118, 1118T, 6118, 1188, 6188

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



Part Numbers 1288, 6288

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

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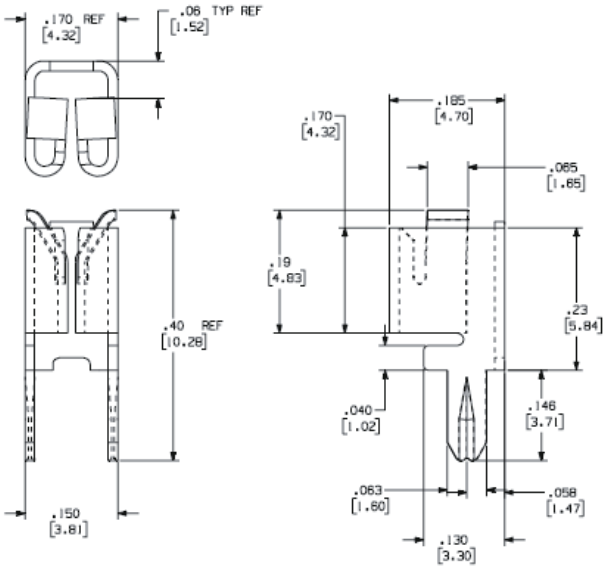


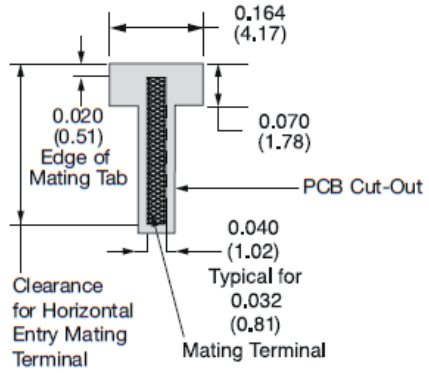
Part Numbers 1299, 6299

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

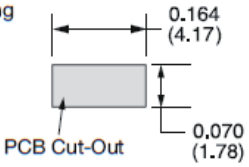
Recommended PCB Layouts for Universal Tab Receptacles

PCB Layout for Top and Horizontal Entry Mounting

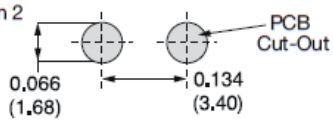
Horizontal Mating



Top Entry Mating Option 1

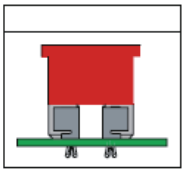


Option 2

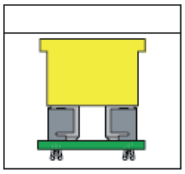


For Top Entry Only

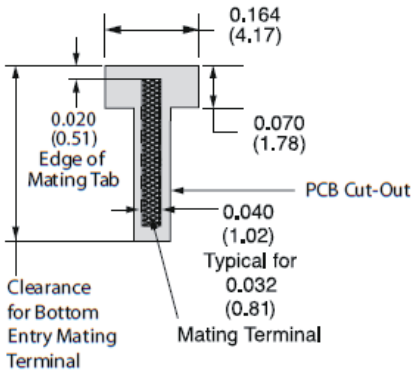
Optional use as mini-fuse holder

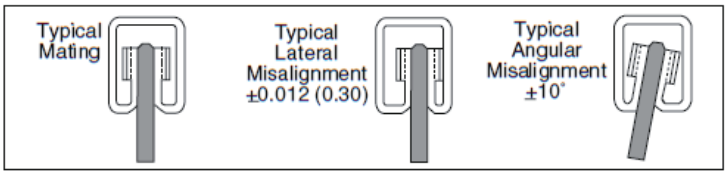


Optional use as ATC (Auto) fuse holder



PCB Layout for Bottom and Horizontal Entry Mounting





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