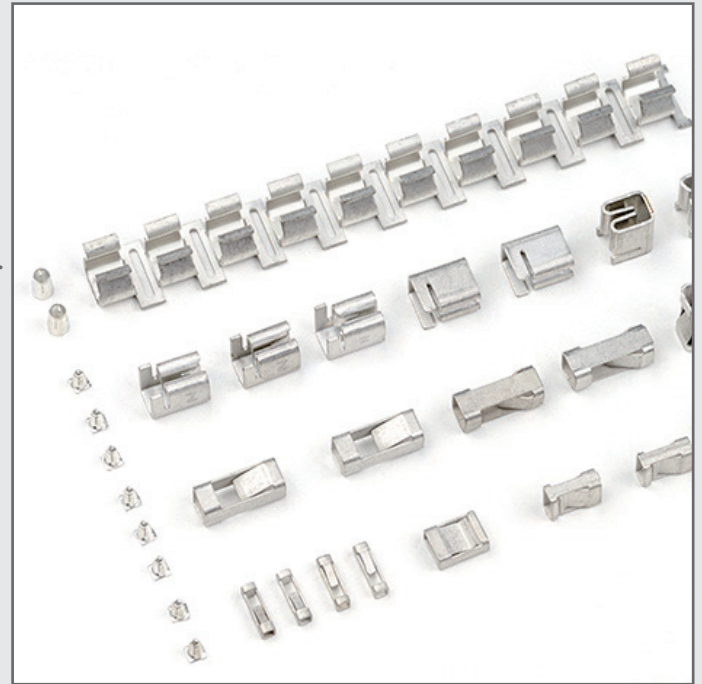


SMT Receptacles



Features and Benefits Universal Tab Receptacles

- These receptacles are forgiving forming misalignment.
- They mate with a range of tabs from .025" to .032" thick and widths from .110" wide and larger.
- They have low insertion forces.
- They have a high current rating of 30 Amps.
- They can have a dozen mating cycles (a higher mating cycle version is available).
- This product performs well in demanding automotive applications (shock, vibration, elevated temperature).
- They may be used for top, bottom, or side entry.
- They are designed for automation using the customer's existing pick and place equipment and a special feeder for a continuous strip of components.
- These parts can also be automatically "picked and placed" from tape and reel.



Produkt Discription

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

Zierick has expanded its Surface Mount product line to include Universal Tab Receptacles, Box Receptacles, Clips, and Bottom Entry Through-Board Sockets, increasing the options for flexibility and compatibility.

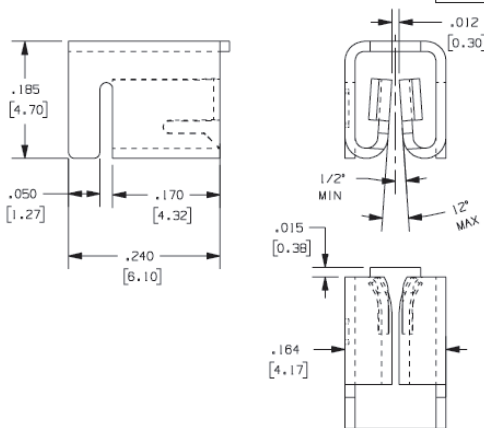
SMT Top or Horizontal Entry Universal Tab Receptacles

Part Numbers

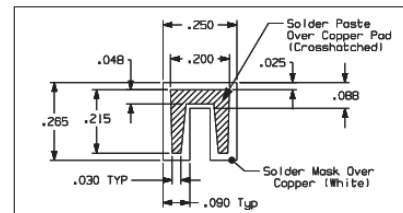
**1237, 1237T, 1237T-SR,
1237-BMT, 1237-BMT-SR,
1237T-KAPTON,
1237T-KAPTON-SR,
1237-BMT-KAPTON,
1237-BMT-KAPTON-SR**

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

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



Recommended Solder Pad Geometry



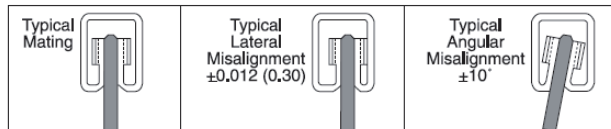
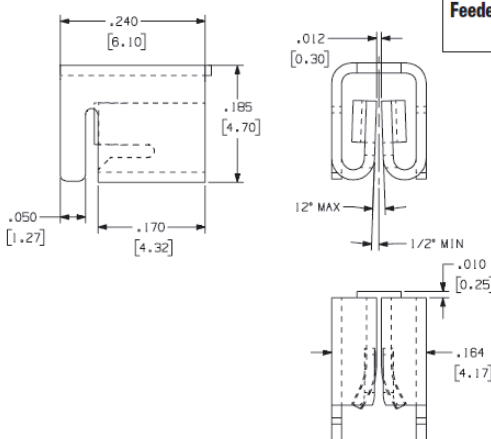
For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

SMT Bottom or Horizontal Entry Universal Tab Receptacles

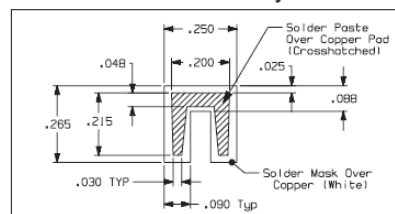
**Part Numbers 1238, 1238T,
1238T-SR, 1238-BMT,
1238T-KAPTON,
1238T-KAPTON-SR, 6238**

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

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



Recommended Solder Pad Geometry



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

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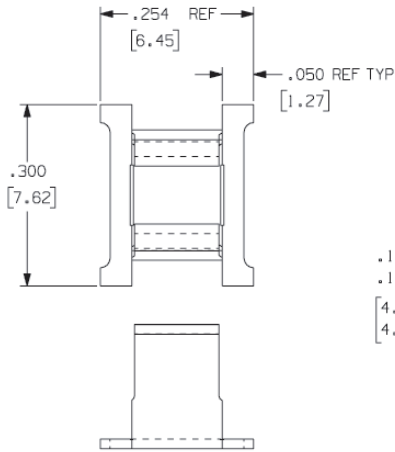
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PROJECT | CONNECT | PROTECT

5mm Round Fuse Recaptacles

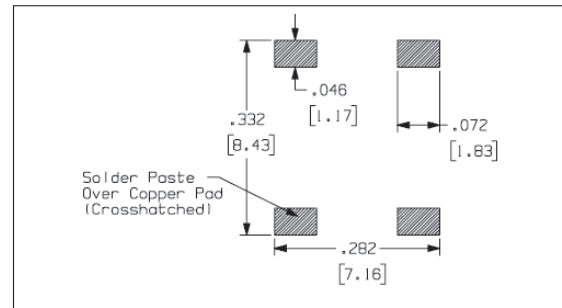
Part Numbers 1230, 1230T, 1230T-SR, 6230

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



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

Recommended Solder Pad Geometry

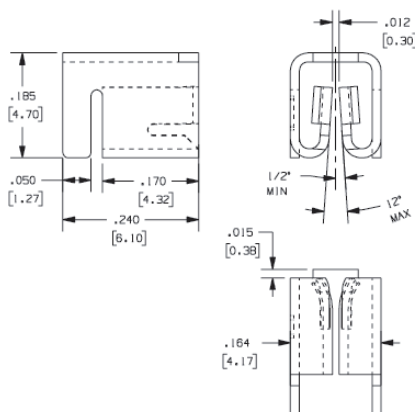


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Auto Fuse Receptacles

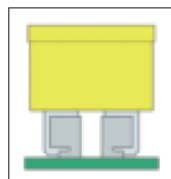
Part Numbers 1237, 1237T, 1237T-SR, 1237-BMT, 1237-BMT-SR, 1237T-KAPTON, 1237T-KAPTON-SR, 1237-BMT-KAPTON, 1237-BMT-KAPTON-SR

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

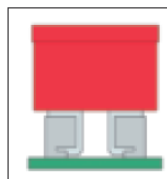


| | | | | |
|----------------------------------|---|-------------------------|---------------------------------|---------------------------------------|
| Loose Part No. | 1237 | | | |
| Reeled Part No. | 6237 | | | |
| Taped Part No. | 1237T 1237T-SR | 1237-BMT 1237-BMT-SR | 1237T-KAPTON 1237T-KAPTON-SR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

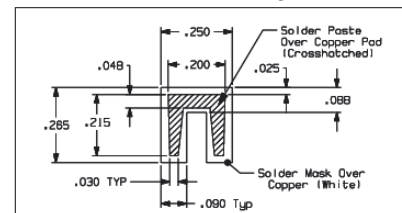
Optional use as Mini-Fuse Holder



Optional use as ATC (Auto) Fuse Holder



Recommended Solder Pad Geometry



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

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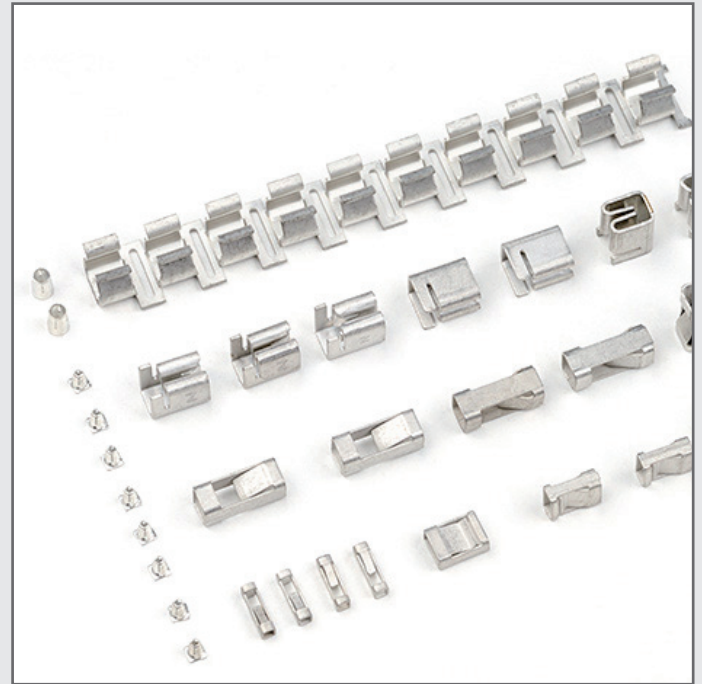
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PROJECT | CONNECT | PROTECT

SMT Receptacles

Features and Benefits SMT Box Receptacles

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



Produkt Discription

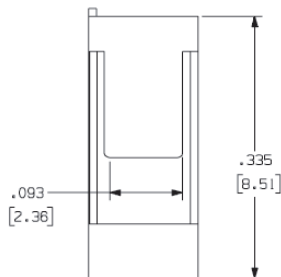
Zierick's family of SMT receptacles provides a range of options designed to lower manufacturing costs, simplify assembly, and increase productivity.

Zierick has expanded its Surface Mount product line to include Universal Tab Receptacles, Box Receptacles, Clips, and Bottom Entry Through-Board Sockets, increasing the options for flexibility and compatibility.

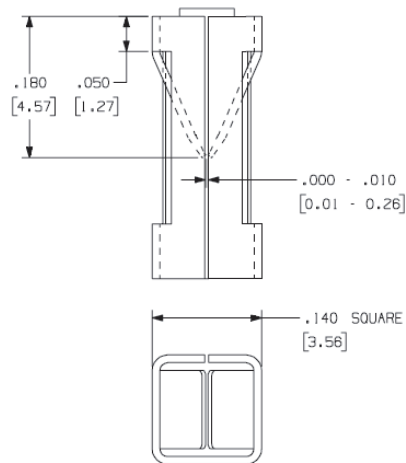
Wire Grippers

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

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

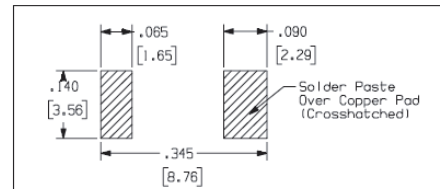


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

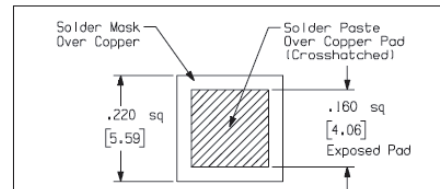


| | | | |
|---------------------------|---|----------|--------|
| Loose Part No. | 1262 | | |
| Reeled Part No. | 6262 | | |
| Taped Part No. | 1262T | 1262T-SR | 1262TH |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.032" (0.81mm) round pin | | |
| Material Thickness / Type | 0.010" (0.25mm)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

Recommended Solder Pad Geometry for Horizontal Mount

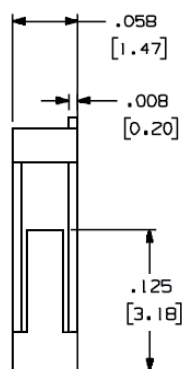
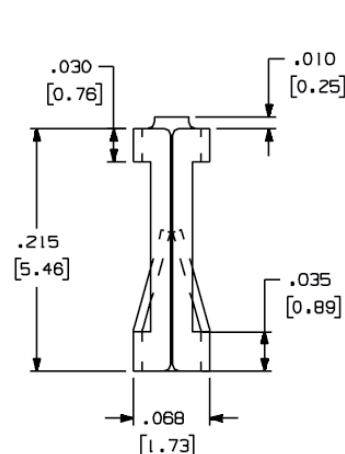


Recommended Solder Pad Geometry for Vertical Mount



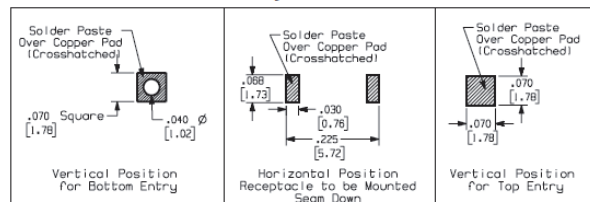
Part Numbers 1301, 1301TH, 6301

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



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

Recommended Solder Pad Geometry



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

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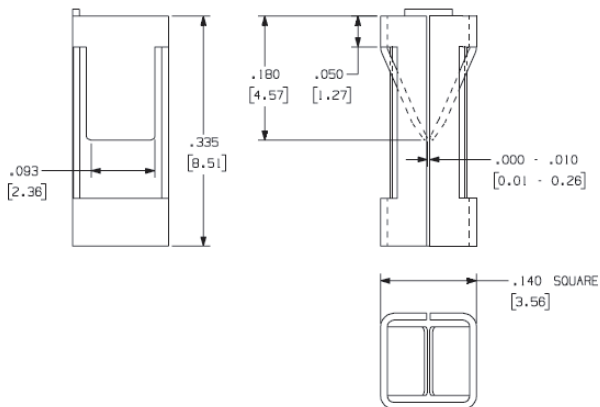
PROJECT | CONNECT | PROTECT

SMT Top or Bottom Entry Box Receptacles

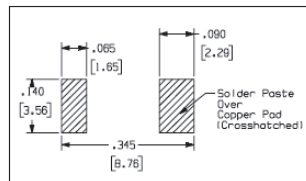
Part Numbers 1262, 6262, 1262T, 1262T-SR, 1262TH

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

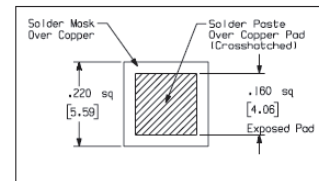
| | | | |
|---------------------------|---|----------|--------|
| Loose Part No. | 1262 | | |
| Reeled Part No. | 6262 | | |
| Taped Part No. | 1262T | 1262T-SR | 1262TH |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.032" (0.81mm) round pin | | |
| Material Thickness / Type | 0.010" (0.25mm)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



Recommended Solder Pad Geometry For Horizontal Mount



Recommended Solder Pad Geometry For Vertical Mount

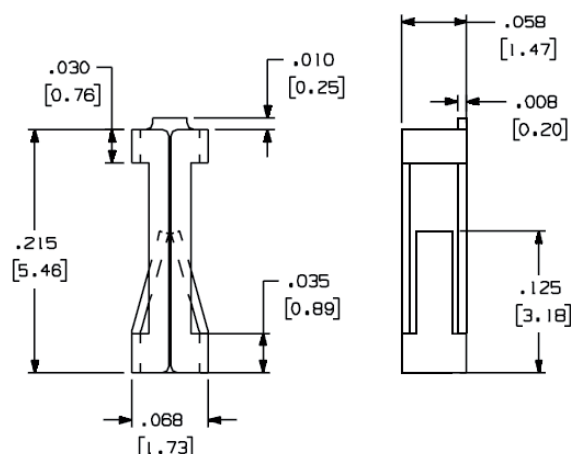


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

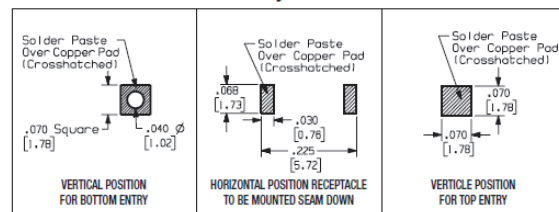
Part Numbers 1301, 1301TH, 6301

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

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



Recommended Solder Pad Geometry



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

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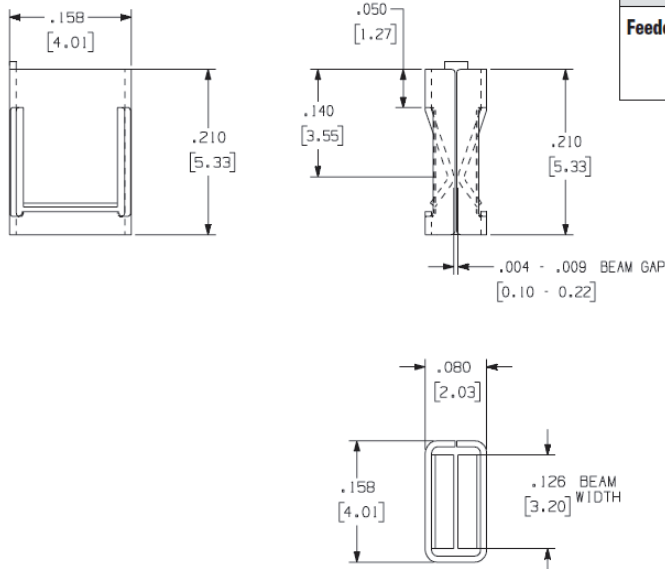


PROJECT | CONNECT | PROTECT

SMT Dual Entry Box Receptacles

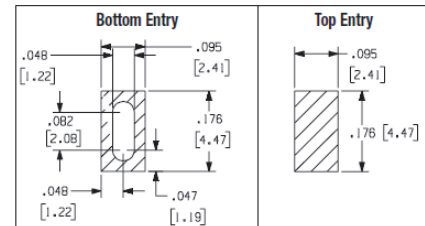
Part Numbers 1266, 6266, 1266-TV, 1266-TV-KAPTON

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



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

Recommended Solder Pad Geometry



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

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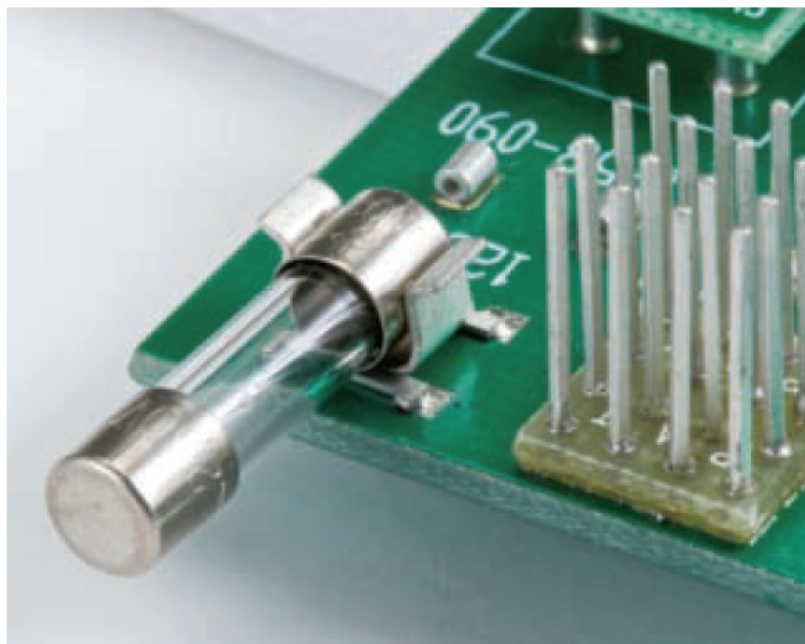
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SMT Clips

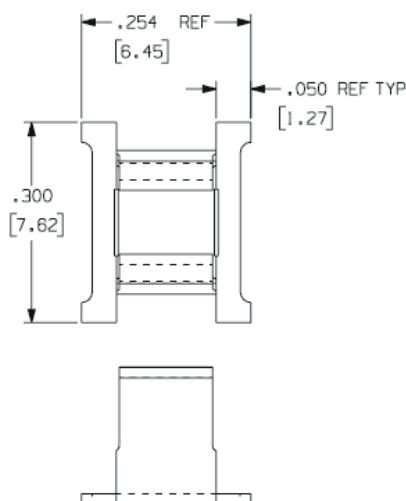
Features and Benefits

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



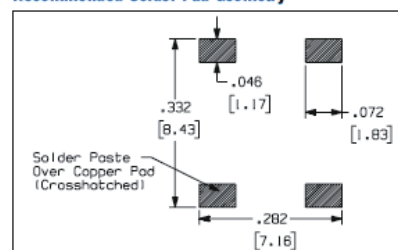
Part Numbers 1230, 1230T, 1230T-SR, 1184, 1184T, 6230, 6184

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



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

Recommended Solder Pad Geometry



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

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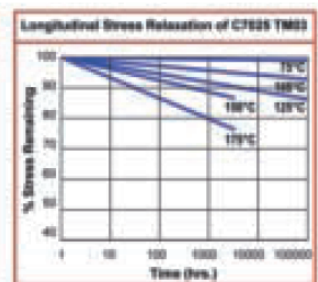
PROJECT | CONNECT | PROTECT

Terminals for High Temp Applications

High Temperature / High Current Terminals

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

| Physical and Engineering Properties of C7025 | | |
|--|---|---|
| Physical Properties | English Units | Metric Units |
| Melting Point (Liquid) | 2003°F | 1096°C |
| Melting Point (Solid) | 1967°F | 1075°C |
| Density | 318 lbs/in ³ | 8.82 g/cm ³ |
| Thermal Conductivity | 95-110 Btu-in/ft ² -in ² -°F @ 99°F | 0.35-0.45 cal/cm ² -cm ² -°C @ 30°C |
| Electrical Resistivity | 25.8 ohm-circ mils @ 99°F | 4.3 microhm-cm @ 30°C |
| Electrical Conductivity | | |
| TM03 | 40% IACS @ 99°F | 0.25 megohm-cm @ 30°C |
| TM02 | 40% IACS @ 99°F | 0.25 megohm-cm @ 30°C |
| TM01 | 40% IACS @ 99°F | 0.25 megohm-cm @ 30°C |
| TM04 | 36% IACS @ 99°F | 0.25 megohm-cm @ 30°C |
| Modulus of Elasticity (Tensile) | 16,000,000 psi | 11,000 kg/cm ² |



temperatures and heating applications.

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

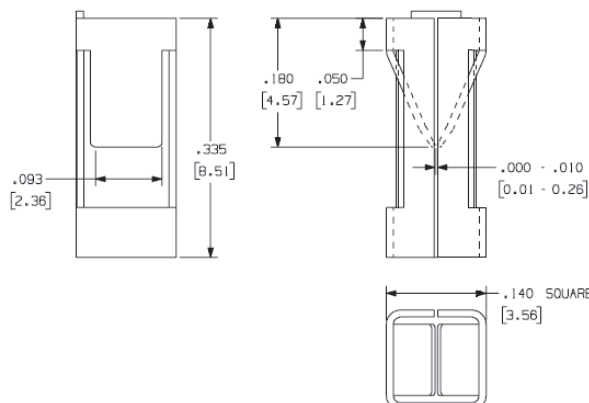
Stress relaxation is a critical inherent property of the material since the spring design feature in many receptacles is needed to maintain reliable connections at elevated temperatures. The tables above illustrate the various physical attributes of Alloy C7025. Call Zierick for more information.

Part Numbers 1275, 6275, 1275T, 1275TH

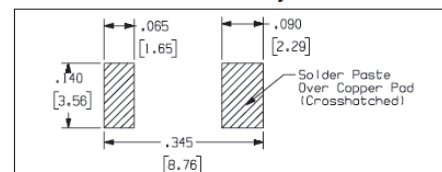
Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

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

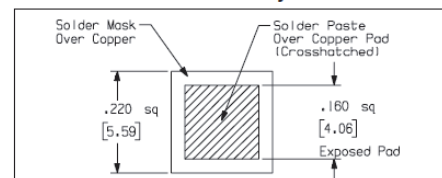
| | |
|---------------------------|--|
| Loose Part No. | 1275 |
| Reeled Part No. | 6275 |
| Taped Part No. | 1275T 1275TH |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) Round or Square |
| Mounting Type | Surface Mount |
| Material Thickness / Type | 0.010" (0.25mm) CDA 70250 High Performance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



Recommended Solder Pad Geometry for Horizontal Mount



Recommended Solder Pad Geometry for Vertical Mount



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