### Features
- Available with Solder Pin Tails
- Choose from Several Sizes and Plating Options
- For Wire Wrap Pins, see Data Sheet 12012

### General Specifications
- **Body Material**: Black UL 94V-0 glass-filled 4/6 Nylon
- **Shell Material**: Brass C17200 ASTM B16/B16M-05
- **Shell Plating**: 10µ [0.25µ] min. Au per MIL-G-45204 or 200µ [5.08µ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200µ [5.08µ] min. Sn per ASTM B545 Type 1 over 100µ [2.54µ] min. Ni per SAE AMS-QQ-N-290B
- **4-Finger Collet Material**: BeCu per UNS C17200 ASTM B194-08
- **Collet Contact Plating**: 200µ [5.08µ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200µ [5.08µ] min. Sn per ASTM B545 Type 1 –OR– 10µ [0.25µ] Au per MIL-G-45204 over 50µ [1.27µ] min. [1.27µ] Ni per SAE AMS-QQ-N-290 heavy 30µ [0.76µ]
- **Contact Current Rating**: 3 amps
- **Insertion Force**: 180g/pin, based on 0.018 [0.46] dia. test lead
- **Withdrawal Force**: 90g/pin, based on 0.018 [0.46] dia. test lead
- **Normal Force**: 140g/pin, based on 0.018 [0.46] dia. test lead
- **Operating Temperature**: 221°F [105°C] Sn & Sn/Pb plating; 257°F [125°C] Au plating
- **Accepts Leads**: 0.015-0.025 [0.38-0.64] dia., 0.100-0.146 [2.54-3.71] long

### Mounting Considerations
- **Suggested PCB Hole Size**: 0.030 ±0.002 [0.76 ±0.05] dia.

### Ordering Information

<table>
<thead>
<tr>
<th>XX-X 513-XXXX</th>
<th>Collet/Shell Plating Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 = Au Collet/Sn Shell</td>
<td>10H = 30µ” Au Collet/Sn Shell</td>
</tr>
<tr>
<td>10T = Sn/Pb Collet and Shell</td>
<td>11 = Au Collet/Au Shell</td>
</tr>
<tr>
<td>11H = 30µ” Au Collet/Au Shell</td>
<td>11L = Sn/Pb Collet and Shell</td>
</tr>
</tbody>
</table>

### Series
- **Row-to-Row Spacing (Dim. “Y”)**
  - 2 = 0.200 [5.08]
  - 3 = 0.300 [7.62]
  - 4 = 0.400 [10.16]
  - 6 = 0.600 [15.24]
  - 9 = 0.900 [22.86]

### Table: Dimensions and Platings

<table>
<thead>
<tr>
<th>Centers “Y”</th>
<th>Dim. “Z”</th>
<th>Body Style</th>
<th>Available Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.200 [5.08]</td>
<td>±0.010 [0.254]</td>
<td>A</td>
<td>2 thru 10</td>
</tr>
<tr>
<td>0.300 [7.62]</td>
<td>0.400 [10.16]</td>
<td>B</td>
<td>2 thru 20</td>
</tr>
<tr>
<td>0.400 [10.16]</td>
<td>0.500 [12.70]</td>
<td>C</td>
<td>2 thru 22</td>
</tr>
<tr>
<td>0.600 [15.24]</td>
<td>0.700 [17.78]</td>
<td>B</td>
<td>2 thru 40</td>
</tr>
<tr>
<td>0.900 [22.86]</td>
<td>1.000 [25.40]</td>
<td>A</td>
<td>2 thru 48</td>
</tr>
</tbody>
</table>

### Customization
- ARIES specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on quantity.
- ARIES reserves the right to change product general specifications without notice.
- Printouts of this document may be out-of-date and should be considered uncontrolled.

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