**TIGER CLAW™ SURFACE MOUNT SOCKET**

(2.54 mm) .100” PITCH • A-SSM SERIES

<table>
<thead>
<tr>
<th>A-SSM</th>
<th>NO. PINS PER ROW</th>
<th>PLATING OPTION</th>
<th>ROW OPTION</th>
<th>OTHER OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-SSM</td>
<td>1</td>
<td>02 thru 36 (-SV, –SH, –DH)</td>
<td>-L = 10 µ” (0.25 µm) Gold on contact, Matte Tin on tail</td>
<td>-SV = Single Row Vertical Pin</td>
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<tr>
<td></td>
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<td>02 thru 40 (-DV)</td>
<td>-DV = Double Row Vertical Pin</td>
<td>-A = Alignment Pin (-DV only)</td>
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<td></td>
<td></td>
<td></td>
<td>-SH = Single Row Horizontal Pin</td>
<td>-BE = Bottom Entry (-DV &amp; –SV only)</td>
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<td></td>
<td>-DH = Double Row Horizontal Pin</td>
<td>-P = Plastic Pick &amp; Place Pad (-DV &amp; –SV only)</td>
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<td>–TR = Tape &amp; Reel (29 positions max.)</td>
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</tbody>
</table>

**SPECIFICATIONS**

- **Insulator Material:** Black Liquid Crystal Polymer
- **Contact Material:** Phosphor Bronze
- **Plating:** Au or Sn over 50 µ” (1.27 µm) Ni
- **Current Rating (A-SSM/A-TSW):** 5.2 A per pin (2 pins powered)
- **Voltage Rating:** 405 VAC / 572 VDC
- **Operating Temp Range:**
  - -SV/-DV = -55 °C to +125 °C with Gold
  - -55 °C to +105 °C with Tin
- **Insertion Depth:**
  - -SV/-DV = (4.34 mm) .171” to (7.24 mm) .285” or pass-through from top; (5.56 mm) .219” plus board thickness minimum from bottom;
  - -SH/-DH = (4.34 mm) .171” to (6.35 mm) .250”
- **Normal Force:** 125 grams (1.21 N) average

**PROCESSING**

- **Lead–Free Solderable:** Yes
- **-DH Coplanarity:** Less than 28 positions (0.15 mm) .006” max
  - More than 27 positions (0.20 mm) .008” max
- **-SH, –SV, –DV Coplanarity:**
  - (0.15 mm) .006” max
  - *(0.04” stencil solution may be available; contact ipg@samtec.com)*

**Note:**
Some lengths, styles and options are non-standard, non-returnable.

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Samtec shall only comply with IATF-16949 on products it certifies as Automotive Custom Design “ACD” or on those designated with “A-” Samtec part # prefix. “A-” products are designed to Samtec’s specifications not customers’ specifications. Contact autosalesgroup@samtec.com with questions.

Due to technical progress, all designs, specifications and components are subject to change without notice.