**THROUGH-HOLE .025" SQ POST SOCKET**

**SPECIFICATIONS**

For complete specifications see www.samtec.com?SSW or www.samtec.com?SSQ

- **Insulator Material:** Black Liquid Crystal Polymer (-S & -D) or Black High Temperature Thermoplastic (-T)
- **Contact Material:** Phosphor Bronze
- **Plating:**
  - Au or Sn over 50 µ" (1.27 µm) Ni
  - Current Rating (SSW/TSM): 4.7 A per pin (2 pins powered)
  - Current Rating (SSQ/TSM): 6.3 A per pin (2 pins powered)
- **Operating Temp Range:**
  - -55 °C to +125 °C with Gold
  - -55 °C to +105 °C with Tin
- **Insertion Depth:**
  - (3.81 mm) .145" to (6.35 mm) .250"
- **Normal Force:**
  - Standard= 125 grams (4.4 N)
  - Max Cycles:
    - 100 with 10 µ" (0.25 µm) Au
    - 100 with 10 µ" (0.25 µm) Sn
- **Voltage Rating:**
  - 465 VAC / 655 VDC
- **RoHS Compliant:** Yes

**PROCESSING**

- Lead-Free Solderable: Yes
  - -S and -D row option
  - Wave only: -P, -T and -Q row option

**RECOGNITIONS**

For complete scope of recognitions see www.samtec.com/quality

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

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**Mates With:**

- TSW, MTSW, MTLW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS

- **TYPE STRIP**
  - **SSW** = Solder Tail
  - **SSQ** = Square Tail

- **PIN CENTERS**
  - **NO. PINS PER ROW**

<table>
<thead>
<tr>
<th>No. PINS</th>
<th>01 thru 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
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<td>T</td>
<td></td>
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<tr>
<td>Q</td>
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</tbody>
</table>

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

All parts within this catalog are built to Samtec’s specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.
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**Straight Pin Versions** (Specify “LEAD STYLE” from chart)

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>SINGLE</th>
<th>DOUBLE</th>
<th>TRIPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>–S</td>
<td>–P</td>
<td>–D</td>
<td>–T</td>
</tr>
<tr>
<td>–Q</td>
<td></td>
<td></td>
<td>–RA</td>
</tr>
</tbody>
</table>

**Right-Angle Versions** (Specify “LEAD STYLE” from chart)

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>SINGLE</th>
<th>DOUBLE</th>
<th>TRIPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>–S</td>
<td>–P</td>
<td>–D</td>
<td>–T</td>
</tr>
<tr>
<td>–Q</td>
<td></td>
<td></td>
<td>–RA</td>
</tr>
</tbody>
</table>

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**Plating Option**

- **–F** = Gold flash on contact, Matte Tin on tail
- **–L** = 10 µ” (0.25 µm) Gold on contact, Matte Tin on tail
- **–G** = 20 µ” (0.51 µm) Gold on contact, Gold flash on tail
- **–T** = Matte Tin (-T N/A on LIF contacts)

**Row Option**

- **–S** = Single Row
- **–P** = Single Row (36 pins max)
- **–D** = Double Row
- **–T** = Triple Row
- **–Q** = Double Row .200” (5.08 mm) row space (Outer rows filled only)

**Tail Option**

- **–RA** = Right-angle (Leave blank for straight pin version)

**Other Option**

- **–LL** = Locking Lead
- **–“XXX”** = Polarized (Specify “XXX” as position number)

**Also Available**

- Other platings
- Notch option
- Contact Samtec.