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 50µ" (1.27 µm) Ni

**Current Rating (TSW/SSW):**
5.7 A per pin (1 pin powered per row)

**Current Rating (SSQ/TSW):**
6.3 A per pin (1 pin powered per row)

**Operating Temp Range:**
-55°C to +125°C with Gold
-55°C to +105°C with Tin

**Contact Resistance:**
10 mΩ

**Insertion Depth:**
(2.54 mm) .100" to (6.35 mm) .250"

**Insertion Force:**
(Single contact only) (-S plating)
Standard= 6 oz (1.67 N) avg
(0.84 mm) .033" SQ pin);
SSW Low Insertion Force= 3 oz (0.85 N) avg
SSQ Low Insertion Force= 3.3 oz (0.92 N) avg

**Normal Force:**
Standard= 125 grams (4.4 N)

**Withdrawal Force:**
(Single contact only) (-S plating)
Standard= 5 oz (1.39 N) avg
(0.84 mm) .033" SQ pin);
SSW Low Insertion Force= 2.8 oz (0.72 N) avg
SSQ Low Insertion Force= 2.9 oz (0.81 N) avg

**Max Cycles:**
100 with 10µ" (0.25 µm) Au

**Voltage Rating:**
550 VAC mated with TSW

**RoHS Compliant:**
Yes

**Lead-Free Solderable:**
Yes

**TYPE STRIP**

**PIN CENTERS**

**NO. PINS PER ROW**

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**T**

**Q**

**RA**

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

**RECOGNITIONS**

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

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

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SSW, SSQ SERIES

**LEAD STYLE**

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

**PLATING OPTION**

- **S** = Single Row
- **P** = Single Row (Notched to mate with LCW) 36 pins max
- **D** = Double Row
- **T** = Triple Row
- **Q** = Double Row .200" (5.08 mm) row space (Outer rows filled only)

**ROW OPTION**

- **S** & **P**
- **D**
- **T**
- **Q**

**TAIL OPTION**

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

**OTHER OPTION**

- **LL** = Locking Lead

Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2.25 mm) .090" to (7.87 mm) .310" only N/A with single row 1 or 2 positions.

**“XXX”** = Polarized (Specify “XXX” as position number)

**ALSO AVAILABLE**

- Other platings
- Notch option
- Contact Samtec.

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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>Standard Insertion Force</td>
<td>Low Insertion Force*</td>
<td>(T &amp; T)</td>
<td>(T &amp; T)</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>(2.64) .104</td>
<td>(2.54) .100</td>
<td>(2.54) .100</td>
</tr>
<tr>
<td><strong>L</strong></td>
<td>(4.93) .194</td>
<td>(4.93) .194</td>
<td>(4.93) .194</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td>(10.00) .394</td>
<td>(10.00) .394</td>
<td>(10.00) .394</td>
</tr>
<tr>
<td><strong>T</strong></td>
<td>(14.83) .584</td>
<td>(14.83) .584</td>
<td>(14.83) .584</td>
</tr>
<tr>
<td><strong>S &amp; P</strong></td>
<td>(3.15) .124</td>
<td>(3.15) .124</td>
<td>(3.15) .124</td>
</tr>
</tbody>
</table>

- *LIF N/A with Tin Plating
- **Style –06 N/A with SSQ

**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>Standard Insertion Force</td>
<td>Low Insertion Force*</td>
<td>(-T &amp; -Q)</td>
<td>(-T &amp; -Q)</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>(2.54) .100</td>
<td>(2.54) .100</td>
<td>(2.54) .100</td>
</tr>
<tr>
<td><strong>L</strong></td>
<td>(6.58) .260</td>
<td>(6.58) .260</td>
<td>(6.58) .260</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td>(12.45) .490</td>
<td>(12.45) .490</td>
<td>(12.45) .490</td>
</tr>
<tr>
<td><strong>T</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

- *LIF N/A with Tin Plating

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