**THROUGH-HOLE .025” SQ POST HEADER**

**BOARD MATES:**
- SSW, SSQ, SSM, ESW, ESQ, BCS, BSW, CES, SLW

**CABLE MATES:**
- IDSD, IDSS

**SPECIFICATIONS**

For complete specifications see www.samtec.com/TSW or www.samtec.com/HTSW

**Insulator Material:**
- TSW: Black Glass Filled Polyester
- HTSW: Natural Liquid Crystal Polymer

**Terminal Material:**
Phosphor Bronze

**Plating:**
- Au or Sn over 50 µ" (1.27 µm) Ni

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

**Voltage Rating:**
- 550 VAC mated with SSW;
- 500 VAC mated with BCS or ESQ;
- 450 VAC -RA/-RE mated with BCS or SSM
- 400 VAC mated with CES

**RoHS Compliant:**
- Yes

**Lead-Free Solderable:**
- HTSW: Yes
- TSW: No, Lead Wave Only

**RECOGNITIONS**

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

**CURRENT RATING (PER PIN)**

<table>
<thead>
<tr>
<th>Type</th>
<th>TSW Mated with</th>
<th>5.2 A</th>
<th>5.7 A</th>
<th>5.2 A</th>
<th>6.3 A</th>
<th>5.2 A</th>
<th>4.6 A</th>
<th>4.3 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESW</td>
<td>2 Positions Powered</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SSW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SSQ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SSM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SNT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TSW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HTSW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- **SSW**
- **TSW**

**ALSO AVAILABLE (MOQ Required)**

- Other platings

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

Due to technical progress, all designs, specifications and components are subject to change without notice.
**THROUGH-HOLE .025” SQ POST HEADER**

**STYLE**

- **A**
- **B**
- **C**

- **–05**
  - (3.30)
  - (0.10)
  - (0.05)
- **–06**
  - (4.41)
  - (0.09)
  - (0.05)
- **–07**
  - (2.54)
  - (0.10)
  - (0.05)
- **–08**
  - (0.85)
  - (0.09)
  - (0.05)
- **–09**
  - (10.16)
  - (0.73)
  - (0.05)
- **–10**
  - (15.24)
  - (0.76)
  - (0.05)
- **–11**
  - (19.05)
  - (1.25)
  - (0.05)
- **–12**
  - (22.86)
  - (2.29)
  - (0.05)
- **–13**
  - (25.40)
  - (3.05)
  - (0.05)
- **–14**
  - (28.12)
  - (3.81)
  - (0.05)
- **–15**
  - (30.48)
  - (4.83)
  - (0.05)
- **–16**
  - (33.02)
  - (6.35)
  - (0.05)
- **–17**
  - (35.56)
  - (8.51)
  - (0.05)

**LEAD STYLE**

- **F** = Gold flash on post, Matte Tin on tail
- **L** = 10 µ” (0.25 µm) Gold on post, Matte Tin on tail
- **G** = 10 µ” (0.25 µm) Gold on post, Gold flash on balance
- **T** = Matte Tin

**PLATING OPTION**

- **–F**
- **–L**
- **–G**
- **–T**

**ROW OPTION**

- **–S** = Single Row
- **–D** = Double Row
- **–T** = Triple Row
- **–Q** = Double Row (5.08 mm) 200 row space

**OTHER OPTIONS**

- **–RA or –RE** = Right-angle
- **–LC** = Locking Clip (Styles –08 thru –13 & 22 only)
- **–LL** = Locking Lead (NA with –T, –Q, –RA or –RE)
- **–LA** = –RA Option
- **–LL** = –RA Option with –LL Option

**OTHER SOLUTIONS**

- Elevated Right-angle option
- Shunts
- Straight Pin Versions
  - (Specify “LEAD STYLE” from chart)

**Right-Angle Versions**

(Specify “LEAD STYLE” from chart and select –RA or –RE from other options)

**Straight Pin Versions**

(Specify “LEAD STYLE” from chart)

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

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

WWW.SAMTEC.COM