**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:**
(3.68 mm) .145" to
(6.35 mm) .250"

**Insertion Force:**
(Single contact only)

- **SSW Low Insertion Force:**
  3 oz (0.83 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)

- **SSW Low Withdrawal Force:**
  2.6 oz (0.72 N) avg

- **SSQ Low Withdrawal 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

**RETENTION**

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

**Note:**
Some lengths, styles and options are non-standard, non-returnable.
### Straight Pin Versions
(Specify “LEAD STYLE” from chart)

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>SINGLE LOW INSERTION FORCE*</th>
<th>DOUBLE LOW INSERTION FORCE*</th>
<th>TRIPLE LOW INSERTION FORCE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Low Insertion Force</td>
<td>Standard</td>
<td>Low Insertion Force</td>
</tr>
<tr>
<td>Force</td>
<td>Force</td>
<td>Force</td>
<td>Force</td>
</tr>
<tr>
<td>–01</td>
<td>–21</td>
<td>(2.64) .104</td>
<td>–02</td>
</tr>
<tr>
<td>–06**</td>
<td>N/A</td>
<td>(3.15) .124</td>
<td>–02</td>
</tr>
<tr>
<td>–04</td>
<td>–24</td>
<td>(12.45) .490</td>
<td>–06**</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>
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</tr>
<tr>
<td>Force</td>
<td>Force</td>
<td>Force</td>
<td>Force</td>
</tr>
<tr>
<td>–02</td>
<td>–22</td>
<td>(2.54) .100</td>
<td>–02</td>
</tr>
<tr>
<td>–03</td>
<td>–23</td>
<td>(7.62) .300</td>
<td>–03</td>
</tr>
<tr>
<td>–04</td>
<td>–24</td>
<td>(12.45) .490</td>
<td>–04</td>
</tr>
</tbody>
</table>

* LIF N/A with Tin Plating

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**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**
- **–01 –21** (2,64) .104
- **–02 –22** (4,93) .194
- **–03 –23** (10,00) .394
- **–04 –24** (14,83) .584

**TAIL OPTION**
- **–RA** = Right Angle (Leave blank for straight pin version)
- **–LL** = Locking Lead
  - Two leads per strip crimped in opposite directions on or near centerline.
  - Available on tails from (2,29 mm) .090” to (7,87 mm) .310” only N/A with single row 1 or 2 positions.
  - **“XXX”** = Polarized
    - (Specify “XXX” as position number)

**OTHER OPTION**
- **–RA** = Right Angle
  - (Leave blank for straight pin version)
- **–LL** = Locking Lead
  - Two leads per strip crimped in opposite directions on or near centerline.
  - Available on tails from (2,29 mm) .090” to (7,87 mm) .310” only N/A with single row 1 or 2 positions.

**ALSO AVAILABLE** (MOQ Required)
- Other platings
- Notch option
- Contact Samtec.

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