Mates with:
TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM, HMTSW, HTSS, TSH, BST, HTSS, TLW, MTLW

**SPECIFICATIONS**
For complete specifications and recommended PCB layouts see www.samtec.com/SSM

Insulator Material:
Black Liquid Crystal Polymer

Contact Material:
Phosphor Bronze

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

Current Rating (SSM/TSW):
5.2 A per pin

Voltage Rating:
405 VAC / 572 VDC

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

**Insertion Depth:**
SV/DV is (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 is (4.34 mm) .171" to (6.35 mm) .250"

**Normal Force:**
125 grams (1.21 N) average

**Lead–Free Solderable:**
Yes

**ROHS Compliant:**
Yes

**APPLICATIONS**

**SSM**

**NO. PINS PER ROW**

<table>
<thead>
<tr>
<th>No. of Positions</th>
<th>SSM</th>
<th>PLATING OPTION</th>
<th>Row Option</th>
<th>Other Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>02 thru 36</td>
<td>SSM</td>
<td>–F</td>
<td>–L</td>
<td>–BE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gold flash on contact, Matte Tin on tail</td>
<td>10 µ” (.25 µm) Gold on contact, Matte Tin on tail</td>
<td>Bottom Entry (–DV &amp; –SV only)</td>
</tr>
<tr>
<td>02 thru 40</td>
<td>SSM</td>
<td>–F</td>
<td>–L</td>
<td>–M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gold flash on contact, Matte Tin on tail</td>
<td>10 µ” (.25 µm) Gold on contact, Matte Tin on tail</td>
<td>Metal Pick &amp; Place Pad (5 positions min.)</td>
</tr>
</tbody>
</table>

**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*
(0.004" stencil solution may be available; contact IPG@samtec.com)

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

**FILE NO.**
E111594

**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*
(0.004" stencil solution may be available; contact IPG@samtec.com)

**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.**

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.