Mates with: TSW, MTSW, EW, MTLW, TSS, ZSS, TSM, DW, ZW, HW, TSSH, HTSS

**SPECIFICATIONS**

For complete specifications see www.samtec.com/ESW or www.samtec.com/ESQ

Insulator Material: Black Glass Filled Polyester
Contact Material: Phosphor Bronze
Plating: Au or Sn over 50 µ" (1.27 µm) Ni
Current Rating (ESW/TSW): 5.2 A per pin (2 pins powered)
Current Rating (ESQ/TSW): 5.7 A per pin (2 pins powered)
Voltage Rating: 550 VAC mated with TSW or ESQ
Operating Temp Range: -55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin
Insertion Depth: (3.88 mm) .150" to (6.35 mm) .250"
Normal Force: Standard = 125 grams (4.4 N) Au
Max Cycles: 100 with 10 µ" (0.25 µm) Au
RoHS Compliant: Yes
Lead-Free Solderable: Wave only

**RECOGNITIONS**

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

**ALSO AVAILABLE**

(MOQ Required)
- Other platings

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

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**APPLICATIONS**

Self Nesting Sockets (ESQ Series)

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**TIGER BUY CONTACT**

Embedded PC/104 Modules

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**WWW.SAMTEC.COM**

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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<table>
<thead>
<tr>
<th>TYPE STRIP</th>
<th>NO. PINS PER ROW</th>
<th>LEAD STYLE</th>
<th>PLATING OPTION</th>
<th>ROW OPTION</th>
<th>OTHER OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESW</td>
<td>1</td>
<td>S</td>
<td>L = 10 µ&quot; (0.25 µm) Gold contact, Matte Tin on tail</td>
<td>S</td>
<td>LL</td>
</tr>
<tr>
<td>ESQ</td>
<td>1</td>
<td>S</td>
<td>G = 20 µ&quot; (0.51 µm) Gold Flash on Balance</td>
<td>D</td>
<td>T</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>S</td>
<td>T = Matte Tin (NA w/LIF contact)</td>
<td>T</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATIONS**

PC/104™ J1/P1 “Stackthrough” Connectors
- Standard Insertion Force: ESQ-132-14-G-D
- Low Insertion Force: ESQ-132-39-G-D

PC/104™ J1 “Non-Stackthrough” Connectors
- Standard Insertion Force: ESQ-120-14-G-D
- Low Insertion Force: ESQ-120-39-G-D

PC/104 is a trademark of the PC/104 Consortium.