# MICRO TIGER EYE™ SOCKET

## SPECIFICATIONS


**Insulator Material:** Black Liquid Crystal Polymer  
**Contact Material:** BeCu  
**Plating:** Au or Sn over 50 µ" (1.27 µm) Ni  
**Operating Temp Range:** -55 °C to +125 °C  
**Current Rating (SEM/TEM):** 2.6 A per pin (2 pins powered)  
**Voltage Rating:** 235 VAC/330 VDC  
**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max

## RECOGNITIONS

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

## OTHER SOLUTIONS

- Board Stacking: See SFM, TFM Series  
- Cable Assemblies: See SFSD, TFSD Series

## POWER/SIGNAL APPLICATION

Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

## MATED HEIGHT

<table>
<thead>
<tr>
<th>SEM</th>
<th>SEMS</th>
<th>SEML</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEM</td>
<td>Strip</td>
<td>Friction Lock</td>
</tr>
<tr>
<td>SEMS</td>
<td>Tiger Eye™ Slim Strip</td>
<td>Tiger Eye™ Friction Lock</td>
</tr>
<tr>
<td>SEML</td>
<td>Tiger Eye™ Friction Lock</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Strip</th>
<th>No. of Pins Per Row</th>
<th>Stack Height</th>
<th>Plating Option</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM</td>
<td>1</td>
<td>02</td>
<td>–03.0</td>
<td>–FG, –G, –H</td>
<td>–WT</td>
</tr>
<tr>
<td>SEMS</td>
<td>–03.0</td>
<td>6 mm, 7 mm or 10 mm Stack Height when mated with TEM/TEMS Series (SEML only available with 6 mm Stack Height)</td>
<td>–G = 10 µ&quot; (0.25 µm) Gold on contact, Gold Flash on tail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEML</td>
<td>–H = 30 µ&quot; (0.76 µm) Gold on contact, Gold Flash on tail</td>
<td>–LC = Locking Clip (Not available with –A or –WT) (Manual placement required)</td>
<td>–K = (3.50 mm) .138&quot; DIA Polyimide film Pick &amp; Place Pad (Required for SEMS)</td>
<td>–TR = Tape &amp; Reel (Required for SEMS)</td>
<td></td>
</tr>
</tbody>
</table>

## ALSO AVAILABLE

- Other sizes  
- Other platings

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