**LSHM SERIES**

**HIGH SPEED HERMAPHRODITIC STRIP**

### SPECIFICATIONS

- **For complete specifications and recommended PCB layouts, see www.samtec.com/LSHM**
- **Insulator Material:** Black Liquid Crystal Polymer
- **Contact Material:** Phosphor Bronze
- **Plating:** Au or Sn over 50µ (1.27µm) Ni
- **Current Rating:** TBD
- **Operating Temp Range:** -55°C to +125°C
- **RoHS Compliant:** Yes
- **Processing:** Lead-Free Solderable: Yes
- **SMT Lead Coplanarity:** (0.04 max)

### Processing

- **For applications requiring more than two connectors per board, contact igp@samtec.com**

### Optional Shielding

- **Audible click when properly mated**
- **Self-mating system can reduce inventory costs**

### Mated Height Variety/Flexibility

- **Low cost Blade & Beam contact**
- **Slim row-to-row design**

### Mates with:

- **LSHM**

### Application

- **No. of Positions x (0.50) .0197**

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>MATED HEIGHT*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25 &amp; 0.25</td>
<td>(5.00) .197</td>
</tr>
<tr>
<td>0.25 &amp; 0.30</td>
<td>(5.50) .197</td>
</tr>
<tr>
<td>0.30 &amp; 0.30</td>
<td>(6.00) .236</td>
</tr>
<tr>
<td>0.25 &amp; 0.40</td>
<td>(6.50) .256</td>
</tr>
<tr>
<td>0.30 &amp; 0.40</td>
<td>(7.00) .276</td>
</tr>
<tr>
<td>0.40 &amp; 0.40</td>
<td>(8.00) .315</td>
</tr>
<tr>
<td>0.25 &amp; 0.60</td>
<td>(8.50) .335</td>
</tr>
<tr>
<td>0.30 &amp; 0.60</td>
<td>(9.00) .354</td>
</tr>
<tr>
<td>0.40 &amp; 0.60</td>
<td>(10.00) .394</td>
</tr>
<tr>
<td>0.60 &amp; 0.60</td>
<td>(12.00) .472</td>
</tr>
</tbody>
</table>

*Processing conditions will affect mated height.

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

### Lead Style Variation

- **Lead Style from chart**

- **–DV = Vertical**
- **–DH = Right Angle (Lead style –01 only)**
- **–F = Gold flash on contact, Matte Tin on tail**
- **–L =10µ (0.25µm) Gold on contact, Matte Tin on tail**

### Board Stacking

- **For applications requiring more than two connectors per board, contact igp@samtec.com**

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

- **Processing:** Lead-Free Solderable: Yes

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

### Technology

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

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**WWW.SAMTEC.COM**

- **LSHM-120–04.0–L–DV–A–N–K–TR**
- **LSHM-120–04.0–L–DV–A–N–K–TR**
- **LSHM-120–01–L–DH–A–S–K–TR**
- **LSHM-130–02.5–L–DV–A–S–K–TR**
- **LSHM-150–02.5–L–DV–A–S–K–TR**