HIGH-SPEED HERMAPHRODITIC STRIP

**SPECSIFICATIONS**

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 50 µ" (1.27 µm) Ni

Current Rating:
2.0 A per pin (2 adjacent pins powered)

Operating Temp Range:
-55 °C to +125 °C

RoHS Compliant:
Yes

**PROCESSING**

Lead-Free Solderable:
Yes

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

Board Stacking:
For applications requiring two or more connectors per board, contact ipg@samtec.com

**RECOGNITIONS**

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

**APPLICATION**

For complete specifications and recommended PCB layouts see www.samtec.com/LSHM

**HIGH-SPEED CHANNEL PERFORMANCE**

LSHM-DV/LSHM-DV @ 5 mm Mated Stack Height

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

**SPECIFICATIONS**

**Board Mates:**
LSHM

**Cable Mates:**
HLCD

**HIGH-SPEED HERMAPHRODITIC STRIP**

**LEAD STYLE**

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>LEAD HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>–02.5 &amp; –02.5</td>
<td>(5.00) .196</td>
</tr>
<tr>
<td>–02.5 &amp; –03.0</td>
<td>(5.50) .217</td>
</tr>
<tr>
<td>–03.0 &amp; –03.0</td>
<td>(6.00) .236</td>
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<tr>
<td>–02.5 &amp; –04.0</td>
<td>(6.50) .256</td>
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<tr>
<td>–03.0 &amp; –04.0</td>
<td>(7.00) .276</td>
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<tr>
<td>–04.0 &amp; –04.0</td>
<td>(8.00) .315</td>
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<tr>
<td>–02.5 &amp; –06.0</td>
<td>(8.50) .335</td>
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<tr>
<td>–03.0 &amp; –06.0</td>
<td>(9.00) .354</td>
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<td>–04.0 &amp; –06.0</td>
<td>(10.00) .394</td>
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<tr>
<td>–06.0 &amp; –06.0</td>
<td>(12.00) .472</td>
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</tbody>
</table>

**LEAD STYLE**

Specify LEAD STYLE from chart

**LEAD STYLE**

Specify LEAD STYLE from chart

**PLATING OPTION**

Specify PLATING OPTION

**TAIL OPTION**

Specify TAIL OPTION

**SHIELD OPTION**

Specify SHIELD OPTION

**PROCESSING**

For complete specifications and recommended PCB layouts see www.samtec.com/LSHM

**EXTRACTION**

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

**RUGGEDIZED BY SAMTEC**

- High retention contacts
- Audible click when mated
- Shrouded

**PRODUCT FAMILY**

Board Mates:
LSHM

Cable Mates:
HLCD

**DESCRIPTION**

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.