BHS CONNECTOR
3.5mm pitch/Disconnectable Crimp style connectors

Specifications

- Current rating: 1.0A AC, DC (AWG #24)
- Voltage rating: 1,400V AC, DC
- Temperature range: -25˚C to +85˚C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max. After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 3,800V AC/minute
- Applicable wire: AWG #28 to #24
  Insulation O.D./0.9 to 1.7mm

- Compliant with RoHS.
- Refer to “General Instruction and Notice when using Terminals and Connectors” at the end of this catalog.
- Contact JST for details.

Standards

- Recognized E60389
- Certified LR20812

PC board layout (viewed from component side) and Assembly layout

Note: 1. Tolerances are non-cumulative: ±0.1mm for all centers.
   2. The dimensions above should serve as a guideline. Contact JST for details.

Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D. (mm)</th>
<th>Qty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBHS-002T-P0.5A</td>
<td>0.08—0.22</td>
<td>0.9—1.7</td>
<td>10,000</td>
</tr>
</tbody>
</table>

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Note: Contact JST for SBHS-002T-P0.5.

Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Crimping machine</th>
<th>Applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBHS-002T-P0.5A</td>
<td>AP-K2N</td>
<td>MKS-L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Crimp applicator</th>
<th>Dies</th>
<th>Crimp applicator with die</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBHS-002T-P0.5A</td>
<td>MK/SBHS-002-05</td>
<td>MK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>APLMK SBHS002-05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Housing**

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Q'ty / bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BHSR-02VS-1 (N)</td>
<td>1,000</td>
</tr>
</tbody>
</table>

**Material**
PA 66, UL94V-0, natural (white)

RoHS compliance
Note: Contact JST for BHSR-02VS-1.

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**Shrouded header**

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Q'ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SM02B-BHSS-1-TB</td>
<td>1,000</td>
</tr>
</tbody>
</table>

**Material and Finish**
- Post: Brass, copper-undercoated, tin-plated (reflow treatment)
- Wafer: PPA, UL94V-0, natural (ivory)
- Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance
This product displays (LF)(SN) on a label.
Note: The products listed above are supplied on embossed tape.