BHS CONNECTOR
3.5mm pitch/Disconnectable Crimp style Wire-to-wire connectors

Wire-to-wire version connectors, designed for connecting liquid crystal display back light lamp to their starters.

• Compact and applicable to high voltage
• Adopt wide large for socket contact

Specifications

• Current rating: 1.0A AC, DC
• 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: Socket contact Conductor AWG #28 to #24
  Insulation O.D./ 0.9 to1.7mm
  Pin contact Conductor AWG #28 to #24
  Insulation O.D./ 0.9 to1.8mm

* 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

Assembly layout
### Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D. (mm)</th>
<th>Q'ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin contact</td>
<td>Socket contact</td>
<td>mm²</td>
<td>AWG #</td>
</tr>
<tr>
<td>SBHSM-002T-P0.5</td>
<td>SBHS-002T-P0.5A</td>
<td>0.08~0.22</td>
<td>28~24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.9~1.8</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td></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.

### Housing

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Q’ty / bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle housing</td>
<td>BHSMR-02VS</td>
</tr>
<tr>
<td>Socket housing</td>
<td>BHSR-02VS-1 (N)</td>
</tr>
<tr>
<td></td>
<td>1,000</td>
</tr>
</tbody>
</table>

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

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