**SH CONNECTOR**

1.0 mm pitch/Disconnectable Crimp style connectors

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The world's first 1.0 mm pitch crimp style connector.

- Compact, low profile design
- Compatible with the SR insulation displacement connectors
- Housing lances

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### Specifications

- Current rating: 1.0 A AC/DC (AWG #28)
- Voltage rating: 50 V AC/DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max. After environmental tests/ 40 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #32 to #28 Insulation O.D./ 0.4 to 0.8 mm

* In using the products, refer to “Handling Precautions for Terminals and Connectors” described on our website (Technical documents of Product information page).

RoHS2 compliance

* Dimensional unit: mm
* Contact JST for details.

### Standards

- Recognized E60389

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### PC board layout and Assembly layout

#### Top entry type

#### Side entry type

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**Note:**
1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
3. The dimensions above should serve as a guideline. Contact JST for details.

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### Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Qty/reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSH-003T-P0.2-H</td>
<td>0.032~0.08</td>
<td>32~28</td>
</tr>
</tbody>
</table>

**Material and Finish**

Phosphor bronze, tin-plated (reflow treatment)

**RoHS2 compliance**

Note: Contact JST for gold-plated products.

<table>
<thead>
<tr>
<th>Contact</th>
<th>Crimping machine</th>
<th>Applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSH-003T-P0.2-H</td>
<td>AP-K2N</td>
<td>MK/S/L-10-3 MK/SSH/L-003-02</td>
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</tbody>
</table>

Note: Contact JST for fully automatic crimping applicator.
### SH CONNECTOR

#### Housing

**With protrusions**

![Diagram of housing with protrusions]

**Without protrusions**

![Diagram of housing without protrusions]

#### Shrouded header

The shrouded headers are interchangeable with those of the SR insulation displacement connectors.

- **Top entry type**
  - ![Diagram of top entry type]

- **Side entry type**
  - ![Diagram of side entry type]

### Table

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td></td>
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<tr>
<td>With protrusions</td>
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<td></td>
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<tr>
<td>2</td>
<td>SHR-02V-S-B</td>
<td>SHR-02V-S</td>
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<td>SHR-02V-S</td>
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<tr>
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<td>SHR-05V-S</td>
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<td>SHR-20V-S</td>
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</tbody>
</table>

#### Material and Finish

- **Model No.**
  - SHR-02V-S
  - SHR-03V-S
  - SHR-04V-S
  - SHR-05V-S
  - SHR-06V-S
  - SHR-07V-S
  - SHR-08V-S
  - SHR-09V-S
  - SHR-10V-S
  - SHR-11V-S
  - SHR-12V-S
  - SHR-13V-S
  - SHR-14V-S
  - SHR-15V-S
  - SHR-20V-S

- **Dimensions (mm)**

- **Q’ty/box**

- **PBT, UL94V-0, natural (white)**

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**RoHS2 compliance**

- This product displays (LF)/(SN) on a label.

**Note:**

1. The products listed above are supplied on embossed-tape.
2. Contact JST for the headers with gold-plated pins.
3. Contact JST for the top entry type headers with suction cap.