SH CONNECTOR
1.0 mm pitch/Disconnectable Crimp style connectors

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

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

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

PC board layout and Assembly layout

Top entry type

Side entry type

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.

Contact

RoHS2 compliance

Note: Contact JST for gold-plated products.

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Note: Contact JST for gold-plated products.

<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>23,000</td>
</tr>
</tbody>
</table>

| SSH-003T-P0.2-H | 32~28          | 0.4~0.8   |

<table>
<thead>
<tr>
<th>Crimping machine</th>
<th>Applicator</th>
<th>Dies</th>
<th>Crimp applicator with dies</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP-K2N</td>
<td>MKS-L-10-3</td>
<td>MK/SSH/L-003-02</td>
<td>APLMK SSH/L203-02</td>
</tr>
</tbody>
</table>

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

### Housing

#### With flange

- **Circuit No.1**
  - No. of circuits: 20
  - Dimensions: A = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 19.0; B = 0.7, 2.1, 2.8
  - Q’ty/reel: 2,000

#### Without flange

- **Circuit No.1**
  - No. of circuits: 20
  - Dimensions: A = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 19.0; B = 0.7, 2.1, 2.8
  - Q’ty/reel: 2,000

### Header

Headers are interchangeable with those of the SR insulation displacement connectors.

#### Top entry type

- **Circuit No.1**
  - No. of circuits: 20
  - Dimensions: A = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 19.0; B = 0.7, 2.1, 2.8
  - Q’ty/reel: 2,000

#### Side entry type

- **Circuit No.1**
  - No. of circuits: 20
  - Dimensions: A = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 19.0; B = 0.7, 2.1, 2.8
  - Q’ty/reel: 2,000

### Material and Finish

- **Contact:** Copper alloy, copper-undercoated, tin-plated (reflow treatment)
- **Housing:** PA, UL94V-0, natural (ivory)
- **Solder tab:** Brass, copper-undercoated, tin-plated (reflow treatment)

#### RoHS2 compliance

- PBT, UL94V-0, natural (white)

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**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.
SH CONNECTOR

Model number allocation

Contact

Form: S--Strip form
Series name
Applicable wire range: AWG #32 to #28
Surface finish: T--Tin-plated (reflow treatment)
          GA--Selective gold-plated
Material: P--Phosphor bronze
Terminal size
Type name: For single socket

Housing

Series name
Part name: Receptacle
No. of circuits: 2 to 15, 20
Flammability: V--UL94V-0
Color: S--Natural (White)
Shape: B--With flange, None--Without flange

Header

Shape of assembled product:
BM--SMT Top entry type
SM--SMT Side entry type
No. of circuits: Top entry type--2 to 15
          Side entry type--2 to 15, 20
Part name: Header
Series name
Color: S--Natural (Ivory)
Indication of clinch: S--Straight pin
Surface finish: None--Copper-undercoated tin-plated (reflow treatment)
          G--Nickel-undercoated gold-plated
Packaging style: TB--Embossed-taping
Suction tape: None--Without suction tape, T--With suction cap