SHL CONNECTOR
1.0 mm pitch/Disconnectable Crimp style connectors

As the equipment becomes thinner and thinner, this is an ultra-thin connector with a mounting height of 1.8 mm, which was developed as a variation of our 1.0 mm pitch connectors.

- Thin design
- Low insertion force
- Prevention of deformation

### Standards
- Recognized E 60389

### 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:** AWG #32 to #28

* 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.

### PC board layout and Assembly layout

#### Normal type

#### Offset 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. Please contact JST for details as the dimensions shown in the above figure are reference values.

### Contact

#### Model No.

<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>SSHL-003T-P0.2</td>
<td>0.032 to 0.08</td>
<td>32 to 28</td>
<td>0.4 to 0.8</td>
</tr>
</tbody>
</table>

**Material and Finish**
- Phosphor bronze, tin-plated

**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>SEP-03T-P02</td>
<td>AP-K2N</td>
<td>MKS-L10-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MK/SSH/L-003-02</td>
</tr>
</tbody>
</table>

Note: Contact JST for fully automatic crimping applicator.
SHL CONNECTOR

Housing

- Marking by every 5 circuits

Header

- Normal type
- Offset type

**No. of circuits** | **Model No.** | **Dimensions (mm)** | **Q'ty/ box**
--- | --- | --- | ---
2 | SHLP-02V-S-B | A: 1.0 | B: 4.6 | 6,000
5 | SHLP-05V-S-B | A: 4.0 | B: 7.6 | 3,000
6 | SHLP-06V-S-B | A: 5.0 | B: 8.6 | 3,000
7 | SHLP-07V-S-B | A: 6.0 | B: 9.6 | 3,000
8 | SHLP-08V-S-B | A: 7.0 | B: 10.6 | 3,000
10 | SHLP-10V-S-B | A: 9.0 | B: 12.6 | 2,000
11 | SHLP-11V-S-B | A: 10.0 | B: 13.6 | 2,000
12 | SHLP-12V-S-B | A: 11.0 | B: 14.6 | 2,000
14 | SHLP-14V-S-B | A: 13.0 | B: 16.6 | 2,000
16 | SHLP-16V-S-B | A: 15.0 | B: 18.6 | 1,000
20 | SHLP-20V-S-B | A: 19.0 | B: 22.6 | 1,000
22 | SHLP-22V-S-B | A: 21.0 | B: 24.6 | 1,000
26 | SHLP-26V-S-B | A: 25.0 | B: 28.6 | 1,000
30 | SHLP-30V-S-B | A: 29.0 | B: 32.6 | 1,000

**Material and Finish**
- PBT, UL94V-0, natural (white)

RoHS2 compliance

**Model No.** | **Insulation O.D. (mm)** | **Q’ty/ reel**
--- | --- | ---
2 | SM02B-SHLS-TF | A: 1.0 | B: 4.8 | 4,500
5 | SM05B-SHLS-TF | A: 4.0 | B: 7.8 | 4,500
6 | SM06B-SHLS-TF | A: 5.0 | B: 8.8 | 4,500
7 | SM07B-SHLS-TF | A: 6.0 | B: 9.8 | 4,500
8 | SM08B-SHLS-TF | A: 7.0 | B: 10.8 | 4,500
10 | SM10B-SHLS-TF | A: 9.0 | B: 12.8 | 4,500
11 | SM11B-SHLS-TF | A: 10.0 | B: 13.8 | 4,500
12 | SM12B-SHLS-TF | A: 11.0 | B: 14.8 | 4,500
14 | SM14B-SHLS-TF | A: 13.0 | B: 16.8 | 4,500
16 | SM16B-SHLS-TF | A: 15.0 | B: 18.8 | 4,500
20 | SM20B-SHLS-TF | A: 19.0 | B: 22.8 | 4,500
22 | SM22B-SHLS-TF | A: 21.0 | B: 24.8 | 4,500
26 | SM26B-SHLS-TF | A: 25.0 | B: 28.8 | 4,500
30 | SM30B-SHLS-TF | A: 29.0 | B: 32.8 | 4,500

**Material and Finish**
- Contact: Phosphor bronze, copper-undercoated, tin-plated
- Housing: PA, UL94V-0, natural (ivory)
- Solder tab: Brass, copper-undercoated, tin-plated

RoHS2 compliance
- This product displays (LF)(SN) on a label.

Note: Contact JST for the headers with gold-plated pins.
### SHL CONNECTOR

#### Model number allocation

##### Contact

- **Form**: S…Strip form
- **Series name**: T…
- **Applicable wire**: AWG #32 to #28
- **Surface finish**: T…Tin-plated
  - GA…Selective gold-plated
- **Material**: P…Phosphor bronze
- **Terminal size**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SHL - 003 T - P 0.2</td>
</tr>
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</table>

##### Housing

- **Series name**: SHL P - 20 V - S - B
- **Part name**: Plug
- **No. of circuits**: 2, 5 to 8, 10 to 12, 14, 16, 20, 22, 26, 30
- **Flammability**: V…UL94V-0
- **Color**: S…Natural (White)
- **Shape**: B…With protrusions

##### Header

- **Shape of assembled product**: SM…SMT side entry type
- **No. of circuits**: Normal type…2, 5 to 8, 10 to 12, 14, 16, 20, 22, 26, 30
  - Offset type…8, 20
- **Part name**: Header
- **Series name**
- **Color**: S…Natural (Ivory)
- **Surface finish**: None…Copper-undercoated, tin-plated
  - G…Nickel-undercoated, gold-plated
- **Shape**: None…Normal type
  - 1…Offset type
- **Packaging style**: TF…Embossed-taping

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<td>SM 20 B - SHL S - - - TF</td>
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