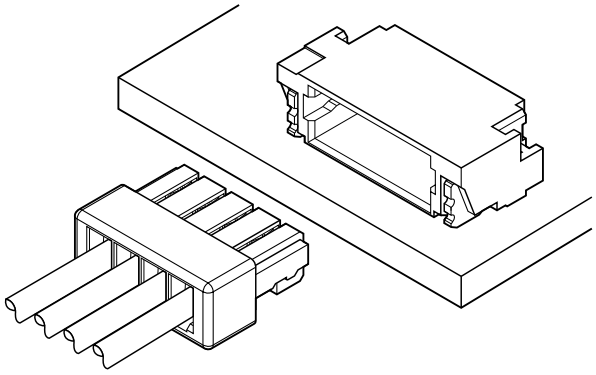


# SUH CONNECTOR

Emboss Tape

## 0.8mm pitch/Disconnectable Crimp style connectors



**This SUH connector is developed for crimping type SUR connector that has been designed for 0.8 mm pitch wire-to-board insulation displacement connector. This connector adopted the first crimping method in a minimum 0.8 mm pitch of the wire-to-board type connector. Housing lance method provides the good workability and a constriction contact method provides the excellent contact reliability.**

- **Headers are for common use with SUR connector.**
- **Current rating 1.0 A**
- **Miniaturization**

## Specifications

- Current rating: 1.0 A AC, DC (AWG #28)
- Voltage rating: 30 V AC, DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 30 mΩ max.
  After environmental tests/ 50 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 200 VAC/minute
- Applicable wire: Conductor size/ AWG #32 to #28
  Insulation O.D./ 0.5 to 0.6 mm

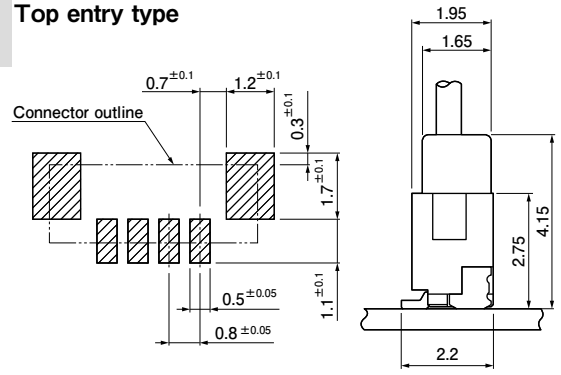
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

## Standards

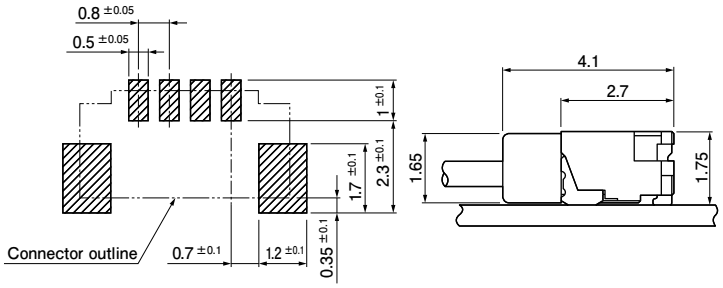
Recognized E60389
Certified LR20812

## PC board layout and Assembly layout

### Top entry type

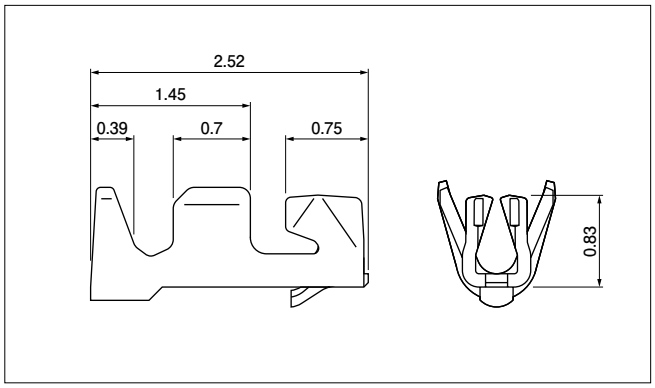



### Side entry type




Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.03 mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

## Contact




| Model No. | Applicable wire | | | Q'ty/ reel |
|---|---|---|---|---|
| | mm² | AWG# | Insulation O.D. (mm) | |
| SSUH-003T-P0.15 | 0.032 to 0.08 | 32 to 28 | 0.5 to 0.6 | 45,000 |

| Material and Finish |
|---|
| Phosphor bronze, tin-plated (reflow treatment) |

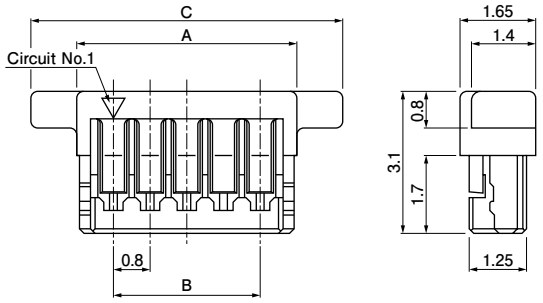
**RoHS compliance**

| Contact | Crimping machine | Applicator | | |
|---|---|---|---|---|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| SSUH-003T-P0.15 | AP-K2N | MKS-L-10-4 | MK/SSUH-003-015 | APLMK SSUH003-015 |
| | | – | – | – |

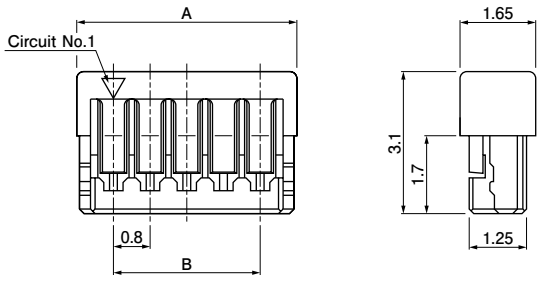
Note: Contact JST for fully automatic crimping applicator.

## Housing

### With protrusions




### Without protrusions



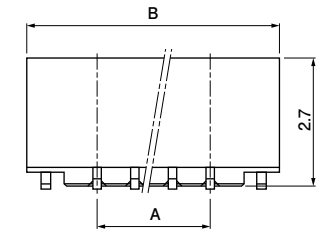

| No. of circuits | Model No. | | Dimensions (mm) | | | Q'ty/box |
|---|---|---|---|---|---|---|
| | With protrusions | Without protrusions | A | B | C | |
| 2 | SUHR-02V-S-B | SUHR-02V-S | 2.4 | 0.8 | 4.4 | 2,000 |
| 3 | SUHR-03V-S-B | SUHR-03V-S | 3.2 | 1.6 | 5.2 | 2,000 |
| 4 | SUHR-04V-S-B | SUHR-04V-S | 4.0 | 2.4 | 6.0 | 2,000 |
| 5 | SUHR-05V-S-B | SUHR-05V-S | 4.8 | 3.2 | 6.8 | 2,000 |
| 6 | SUHR-06V-S-B | SUHR-06V-S | 5.6 | 4.0 | 7.6 | 2,000 |
| 8 | SUHR-08V-S-B | — | 7.2 | 5.6 | 9.2 | 2,000 |
| 10 | SUHR-10V-S-B | SUHR-10V-S | 8.8 | 7.2 | 10.8 | 1,000 |
| 12 | SUHR-12V-S-B | SUHR-12V-S | 10.4 | 8.8 | 12.4 | 1,000 |
| 14 | SUHR-14V-S-B | SUHR-14V-S | 12.0 | 10.4 | 14.0 | 1,000 |
| 16 | SUHR-16V-S-B | SUHR-16V-S | 13.6 | 12.0 | 15.6 | 1,000 |
| 17 | SUHR-17V-S-B | — | 14.4 | 12.8 | 16.4 | 1,000 |
| 20 | SUHR-20V-S-B | SUHR-20V-S | 16.8 | 15.2 | 18.8 | 1,000 |

| Material |
|---|
| LCP, UL94V-0, natural |

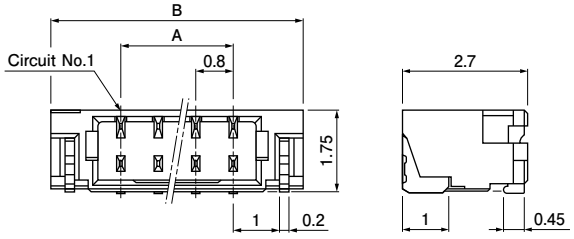
**RoHS compliance**

## Header

### Top entry type




### Side entry type



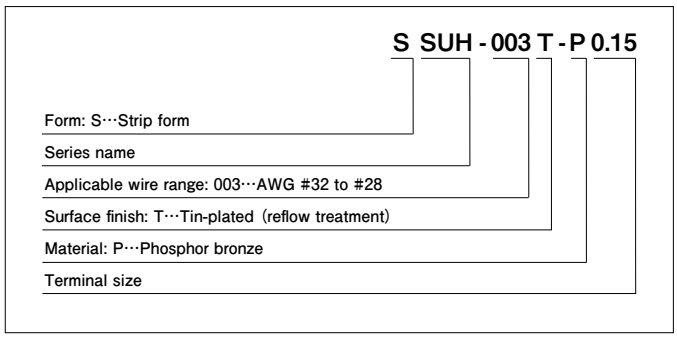

| No. of circuits | Model No. | | Dimensions (mm) | | Q'ty/reel | |
|---|---|---|---|---|---|---|
| | Top entry type | Side entry type | A | B | Top type | Side type |
| 2 | BM02B-SURS-TF | SM02B-SURS-TF | 0.8 | 3.8 | 2,500 | 3,500 |
| 3 | BM03B-SURS-TF | SM03B-SURS-TF | 1.6 | 4.6 | 2,500 | 3,500 |
| 4 | BM04B-SURS-TF | SM04B-SURS-TF | 2.4 | 5.4 | 2,500 | 3,500 |
| 5 | BM05B-SURS-TF | SM05B-SURS-TF | 3.2 | 6.2 | 2,500 | 3,500 |
| 6 | BM06B-SURS-TF | SM06B-SURS-TF | 4.0 | 7.0 | 2,500 | 3,500 |
| 8 | BM08B-SURS-TF | SM08B-SURS-TF | 5.6 | 8.6 | 2,500 | 3,500 |
| 10 | BM10B-SURS-TF | SM10B-SURS-TF | 7.2 | 10.2 | 2,500 | 3,500 |
| 12 | BM12B-SURS-TF | SM12B-SURS-TF | 8.8 | 11.8 | 2,500 | 3,500 |
| 14 | BM14B-SURS-TF | SM14B-SURS-TF | 10.4 | 13.4 | 2,500 | 3,500 |
| 16 | BM16B-SURS-TF | SM16B-SURS-TF | 12.0 | 15.0 | 2,500 | 3,500 |
| 17 | BM17B-SURS-TF | SM17B-SURS-TF | 12.8 | 15.8 | 2,500 | 3,500 |
| 20 | BM20B-SURS-TF | SM20B-SURS-TF | 15.2 | 18.2 | 2,500 | 3,500 |

| Material and Finish |
|---|
| Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)<br>Wafer: PA, UL94V-0, natural<br>Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment) |

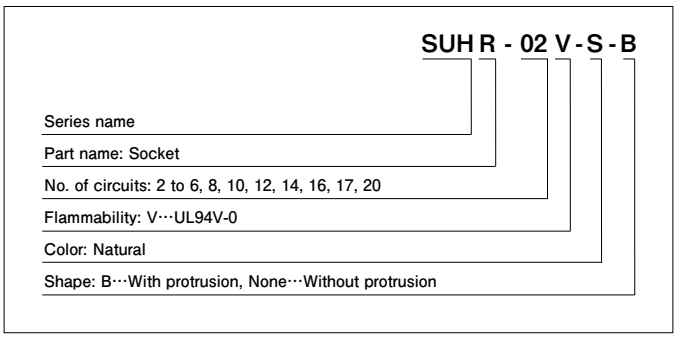
**RoHS compliance** This product displays (LF)(SN) on a label.
Note: These products listed above are supplied on embossed-tape.

## Model number allocation

Contact




Housing




Header

