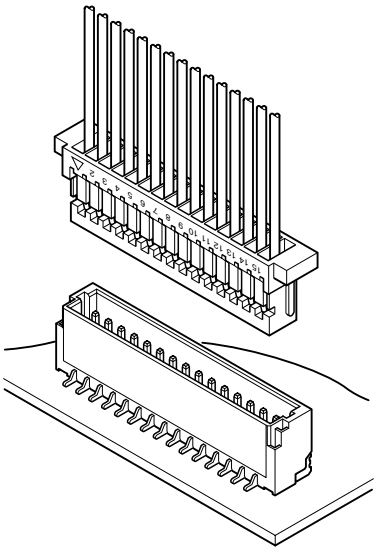


# SH CONNECTOR

Emboss Tape

## *1.0mm pitch/Disconnectable Crimp style connectors*



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

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

## *Specifications*

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

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

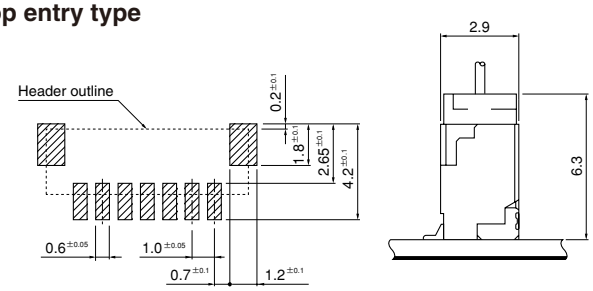
## *Standards*

Recognized E60389

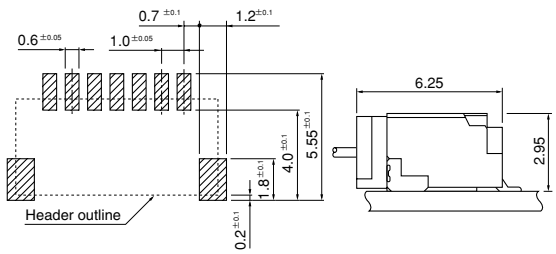
Certified LR20812

## *PC board layout (viewed from component side) and Assembly layout*

### Top entry type

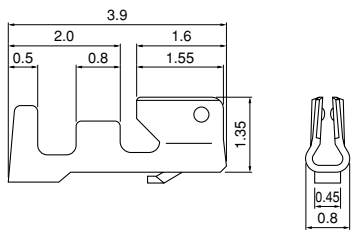



### Side entry type




*Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.*
*2. 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) | |
| **SSH-003T-P0.2-H** | 0.032～0.08 | 32～28 | 0.4～0.8 | 23,000 |

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

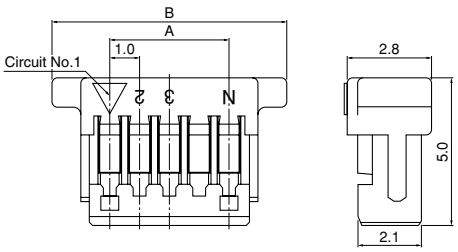
***RoHS compliance***
*Note: Contact JST for gold-plated products.*

| Contact | Crimping machine | Applicator | | |
|---|---|---|---|---|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| **SSH-003T-P0.2-H** | AP-K2N | MKS-L-10-3 | MK/SSH/L-003-02 | APLMK SSH/L003-02 |
| | | *MKS-SC | SC/SSH/L-003-02 | APLSC SSH/L003-02 |

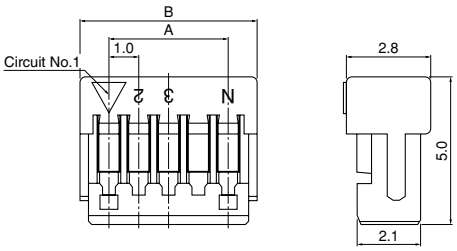
*Note: *Strip-crimp applicator*
*Contact JST for applicable wires in case that it is not usable due to wire size.*

## Housing

### With protrusions




### Without protrusions




| Circuits | Model No. | | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | | |
| | With protrusions | Without protrusions | | With protrusions | Without protrusions | |
| 2 | **SHR-02V-S-B** | **SHR-02V-S** | 1.0 | 5.0 | 3.0 | 2,000 |
| 3 | **SHR-03V-S-B** | **SHR-03V-S** | 2.0 | 6.0 | 4.0 | 2,000 |
| 4 | **SHR-04V-S-B** | **SHR-04V-S** | 3.0 | 7.0 | 5.0 | 2,000 |
| 5 | **SHR-05V-S-B** | **SHR-05V-S** | 4.0 | 8.0 | 6.0 | 2,000 |
| 6 | **SHR-06V-S-B** | **SHR-06V-S** | 5.0 | 9.0 | 7.0 | 2,000 |
| 7 | **SHR-07V-S-B** | **SHR-07V-S** | 6.0 | 10.0 | 8.0 | 2,000 |
| 8 | **SHR-08V-S-B** | **SHR-08V-S** | 7.0 | 11.0 | 9.0 | 2,000 |
| 9 | **SHR-09V-S-B** | **SHR-09V-S** | 8.0 | 12.0 | 10.0 | 2,000 |
| 10 | **SHR-10V-S-B** | **SHR-10V-S** | 9.0 | 13.0 | 11.0 | 2,000 |
| 11 | **SHR-11V-S-B** | **SHR-11V-S** | 10.0 | 14.0 | 12.0 | 2,000 |
| 12 | **SHR-12V-S-B** | **SHR-12V-S** | 11.0 | 15.0 | 13.0 | 2,000 |
| 13 | **SHR-13V-S-B** | **SHR-13V-S** | 12.0 | 16.0 | 14.0 | 2,000 |
| 14 | **SHR-14V-S-B** | **SHR-14V-S** | 13.0 | 17.0 | 15.0 | 2,000 |
| 15 | **SHR-15V-S-B** | **SHR-15V-S** | 14.0 | 18.0 | 16.0 | 2,000 |
| 20 | **SHR-20V-S-B** | — | 19.0 | 23.0 | 21.0 | 1,000 |

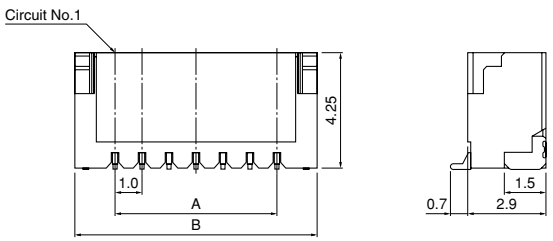
| Material |
|---|
| PBT, UL94V-0, natural (white) |

***RoHS compliance***

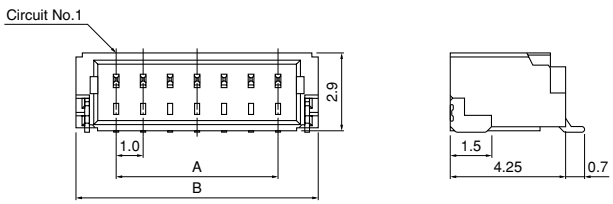
## Shrouded header

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

### Top entry type




### Side entry type




| Circuits | Model No. | | Dimensions (mm) | | Q'ty / reel | |
|---|---|---|---|---|---|---|
| | Top entry type | Side entry type | A | B | Top entry type | Side entry type |
| 2 | **BM02B-SRSS-TB** | **SM02B-SRSS-TB** | 1.0 | 4.0 | 1,500 | 3,000 |
| 3 | **BM03B-SRSS-TB** | **SM03B-SRSS-TB** | 2.0 | 5.0 | 1,500 | 3,000 |
| 4 | **BM04B-SRSS-TB** | **SM04B-SRSS-TB** | 3.0 | 6.0 | 1,500 | 3,000 |
| 5 | **BM05B-SRSS-TB** | **SM05B-SRSS-TB** | 4.0 | 7.0 | 1,500 | 3,000 |
| 6 | **BM06B-SRSS-TB** | **SM06B-SRSS-TB** | 5.0 | 8.0 | 1,500 | 3,000 |
| 7 | **BM07B-SRSS-TB** | **SM07B-SRSS-TB** | 6.0 | 9.0 | 1,500 | 3,000 |
| 8 | **BM08B-SRSS-TB** | **SM08B-SRSS-TB** | 7.0 | 10.0 | 1,500 | 3,000 |
| 9 | **BM09B-SRSS-TB** | **SM09B-SRSS-TB** | 8.0 | 11.0 | 1,500 | 3,000 |
| 10 | **BM10B-SRSS-TB** | **SM10B-SRSS-TB** | 9.0 | 12.0 | 1,500 | 3,000 |
| 11 | **BM11B-SRSS-TB** | **SM11B-SRSS-TB** | 10.0 | 13.0 | 1,500 | 3,000 |
| 12 | **BM12B-SRSS-TB** | **SM12B-SRSS-TB** | 11.0 | 14.0 | 1,500 | 3,000 |
| 13 | **BM13B-SRSS-TB** | **SM13B-SRSS-TB** | 12.0 | 15.0 | 1,500 | 3,000 |
| 14 | **BM14B-SRSS-TB** | **SM14B-SRSS-TB** | 13.0 | 16.0 | 1,500 | 3,000 |
| 15 | **BM15B-SRSS-TB** | **SM15B-SRSS-TB** | 14.0 | 17.0 | 1,500 | 3,000 |
| 20 | — | **SM20B-SRSS-TB** | 19.0 | 22.0 | — | 3,000 |

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

***RoHS 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.*

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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