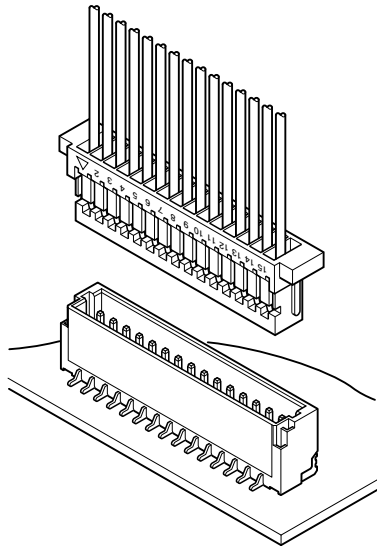# SH CONNECTOR

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℃ to +85℃
    (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

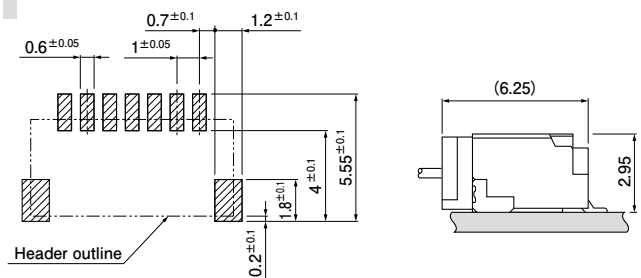Ⓤ Recognized E60389
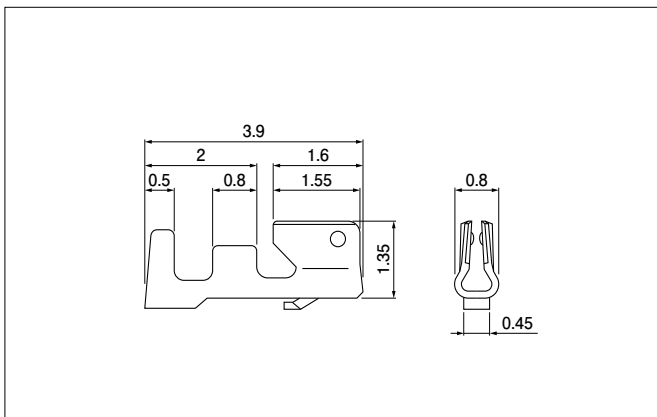
PC board layout and Assembly layout

Top entry type

Header outline
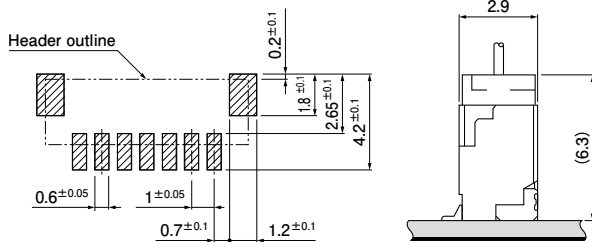
Side entry type

Header outline

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

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）

RoHS2 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

Note: Contact JST for fully automatic crimping applicator.

Housing

With flange
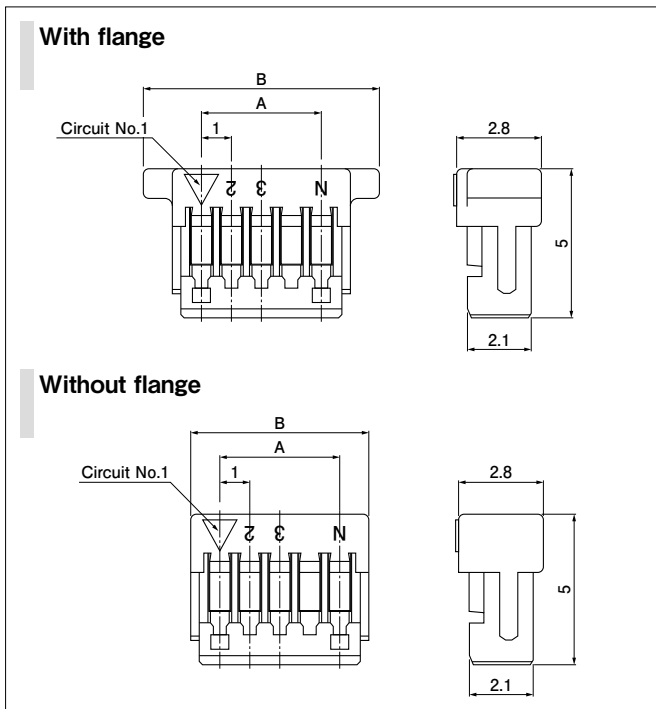
Without flange

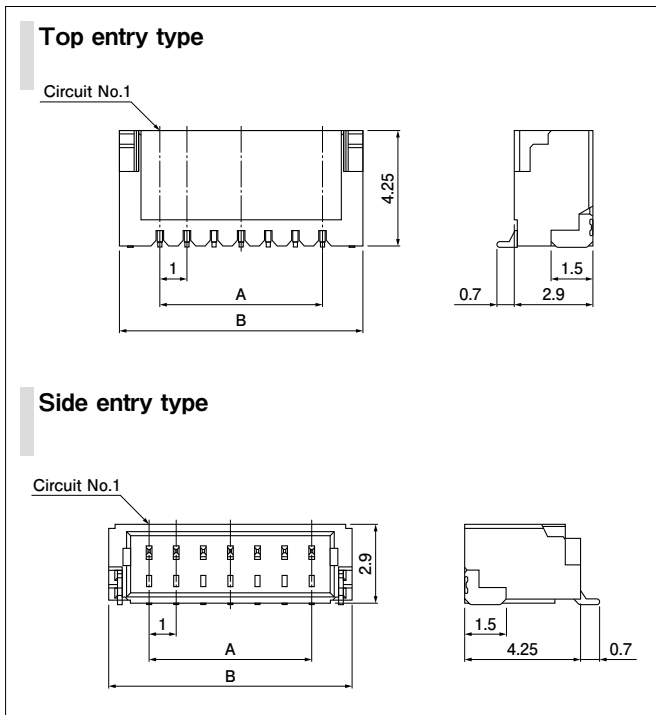| No. of circuits	Model No.		Dimensions (mm)			Q'ty/box
	With flange	Without flange	A	B		
				With flange	Without flange	
2	SHR-02V-S-B	SHR-02V-S	1.0	5.0	3.0	2,000
3	SHR-03V-S-B	SHR-03V-S	2.0	6.0	4.0	2,000
4	SHR-04V-S-B	SHR-04V-S	3.0	7.0	5.0	2,000
5	SHR-05V-S-B	SHR-05V-S	4.0	8.0	6.0	2,000
6	SHR-06V-S-B	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 and Finish
PBT, UL94V-0, natural (white)

RoHS2 compliance

Header

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

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

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.

SH CONNECTOR

Model number allocation

Contact

S SH - 003 T - P 0.2 - H

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

SH R - 02 V - S - B

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

BM 02 B - SR S S - □ - TB □

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

3 *JST*