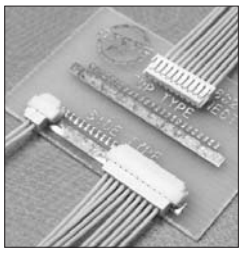
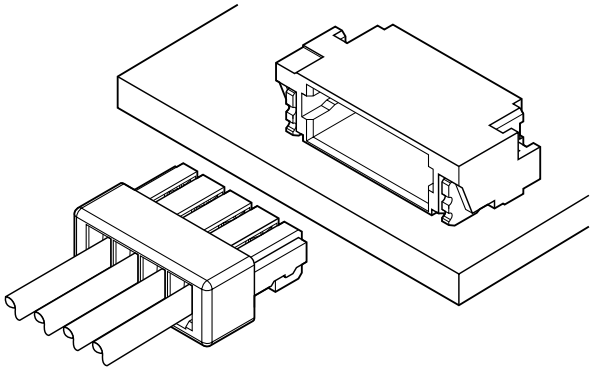


SUH CONNECTOR

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.

- ***SUR header in common use***
- ***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˚C to +85˚C
  (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.

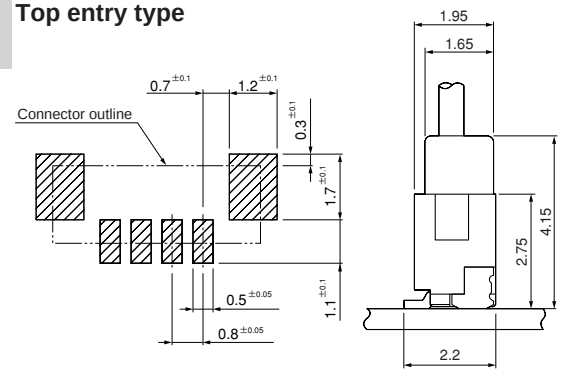
Standards

Recognized E60389

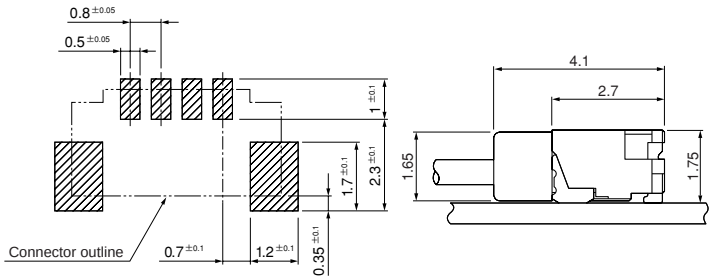
Certified LR20812

PC board layout and Assembly layout

Top entry type

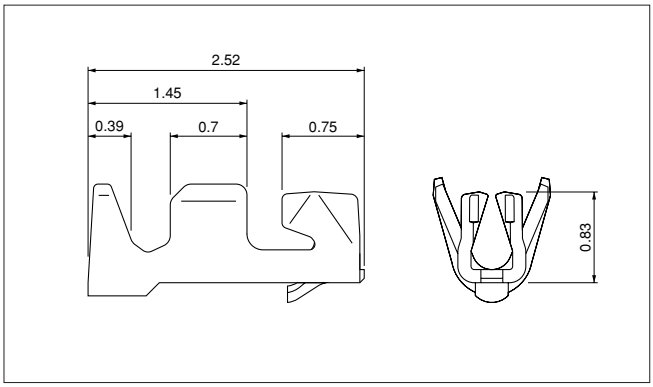


Side entry type



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	0.032～0.08	32～28	0.5～0.6	45,000

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

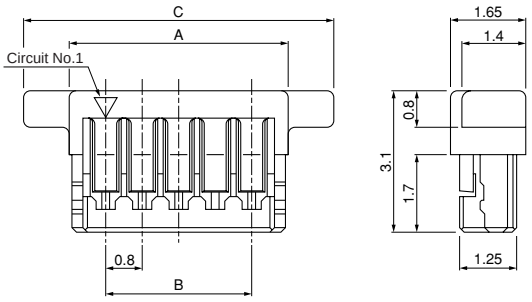
RoHS compliance

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
		—	—	—

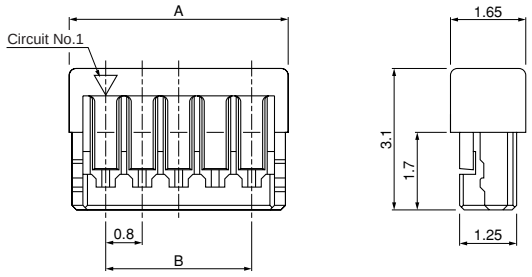
Note: Contact JST for fully automatic crimping applicator.

Housing

With protrusions



Without protrusions



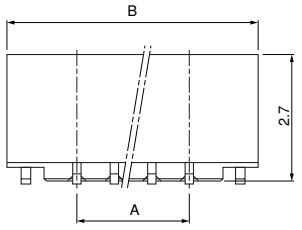
No. of circuits	Model No.		Dimensions (mm)			Q'ty/ box
	With protrusions	Without protrusions	A	B	C	
2	**SUHR-02V-S-B**	**SUHR-02V-S**	2.4	0.8	4.4	2,000
3	**SUHR-03V-S-B**	**SUHR-03V-S**	3.2	1.6	5.2	2,000
4	**SUHR-04V-S-B**	**SUHR-04V-S**	4.0	2.4	6.0	2,000
5	**SUHR-05V-S-B**	**SUHR-05V-S**	4.8	3.2	6.8	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

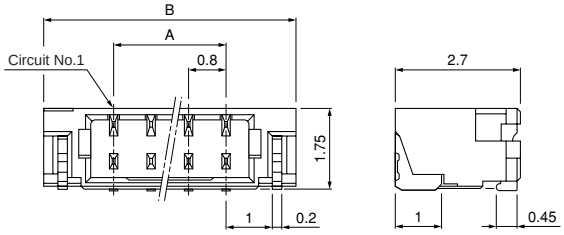
RoHS compliance

Shrouded 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) Wafer: PA, UL94V-0, natural 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.