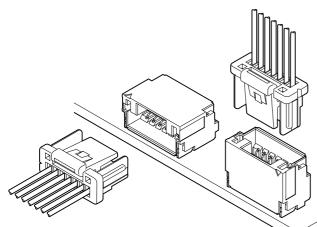


NSH CONNECTOR

1.0mm pitch/Disconnectable Crimp style connectors



1.0mm pitch secure lock type connector. This low insertion force type connector realizes easier mating operation. The basic concept of the contact part of this connector is equivalent to the performance proven SHL connector.

- Secure locking structure
- Contact lock structure
- Prevention of contact deformation
- Clear engagement click sounds

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/ 30 m Ω max.

After environmental tests/ 50 m Ω max.

• Insulation resistance: $100 \text{ M}\Omega$ min. • Withstanding voltage: 500 VAC/minute

Applicable wire: Conductor size/ AWG #32 to #28
 Insulation O.D./ 0.4 to 0.8 mm

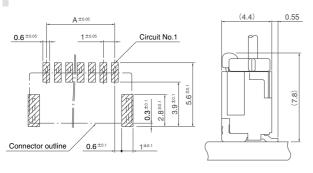
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.

Standards -

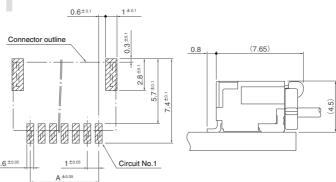
Recognized E60389

PC board layout and Assembly layout

Top entry type

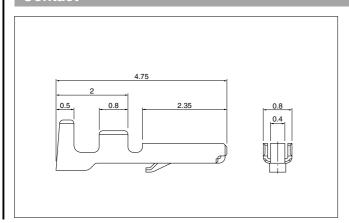


Side entry type



- Note: 1. The above figure is the figure viewed from the connector mounting side.
 - 2. Tolerances are non-cumulative: ±0.05 mm for all centers.
 - 3. The dimensions above should serve as a guideline. Contact JST for details.

Contact



MadalNa	Applica	ble wire	Insulation O.D.	Q'ty/	
Model No.	mm ²	AWG#	(mm)	reel	
SSHL- 003T- P0.2	0.032~0.08	32~28	0.4~0.8	41,000	

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

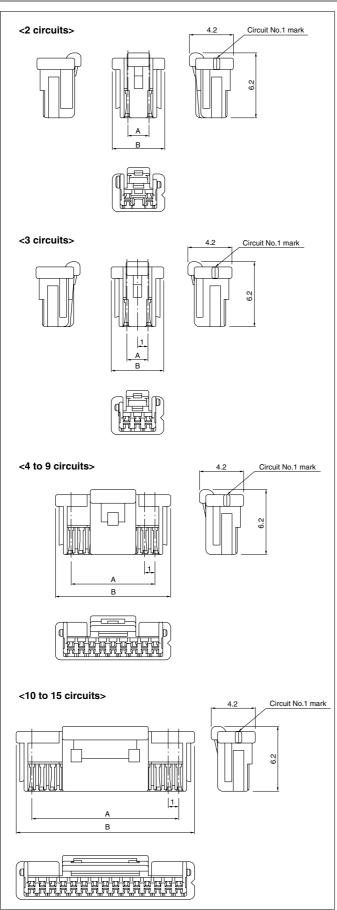
	Contact	Crimping machine	Applicator			
	Contact		Crimp applicator	Dies	Crimp applicator with dies	
SSI	SSHL-003T-P0.2	AP-K2N	MKS-L-10-3	MK/SSH/L-003-02	APLMK SSH/L003-02	
	3311L-0031-F0.2		*MKS-SC	SC/SSH/L-003-02	APLSC SSH/L003-02	

Note: *Strip-crimp applicator

Contact JST for applicable wires in case that it is not usable due to wire size.

NSH CONNECTOR

Housing



Circuits	Model No.	Dimensio	Q'ty/	
		Α	В	bag
2	NSHR-02V-S	*2.0	*5.0	3,000
3	NSHR-03V-S	2.0	5.0	3,000
4	NSHR-04V-S	3.0	6.0	2,500
5	NSHR-05V-S	4.0	7.0	2,000
6	NSHR-06V-S	5.0	8.0	1,500
7	NSHR-07V-S	6.0	9.0	1,500
8	NSHR-08V-S	7.0	10.0	1,500
9	NSHR-09V-S	8.0	11.0	1,000
10	NSHR-10V-S	9.0	12.0	1,000
11	NSHR-11V-S	10.0	13.0	1,000
12	NSHR-12V-S	11.0	14.0	1,000
13	NSHR-13V-S	12.0	15.0	1,000
14	NSHR-14V-S	13.0	16.0	1,000
15	NSHR-15V-S	14.0	17.0	1,000

Material

PBT, UL94V-0, natural

RoHS compliance

Note: 2 circuits product is that the second pin of 3 circuits product is plugged up. (Between circuits 2.0mm pitch)

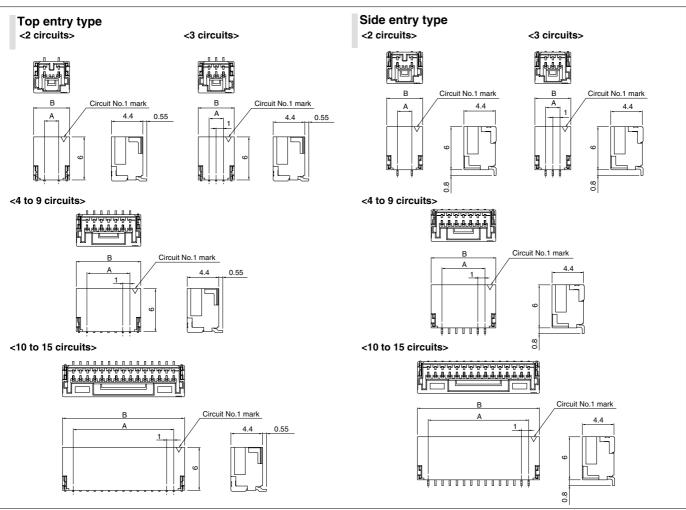
<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. NSHR-02V-S

S...natural Z...ivory TR...tomato red E...blue MG...moss green DH...dark gray LE...light blue K...black DPK...dark pink

NSH CONNECTOR

Shrouded header



Top entry type

· · · · · · · · · · · · · · · · · · ·					
Circuits	Model No.	Dimensions (mm)		Q'ty/	
Circuits		Α	В	reel	
2	BM02B-NSHSS-TBT	*2.0	*5.0	1,000	
3	BM03B-NSHSS-TBT	2.0	5.0	1,000	
4	BM04B-NSHSS-TBT	3.0	6.0	1,000	
5	BM05B-NSHSS-TBT	4.0	7.0	1,000	
6	BM06B-NSHSS-TBT	5.0	8.0	1,000	
7	BM07B-NSHSS-TBT	6.0	9.0	1,000	
8	BM08B-NSHSS-TBT	7.0	10.0	1,000	
9	BM09B-NSHSS-TBT	8.0	11.0	1,000	
10	BM10B-NSHSS-TBT	9.0	12.0	1,000	
11	BM11B-NSHSS-TBT	10.0	13.0	1,000	
12	BM12B-NSHSS-TBT	11.0	14.0	1,000	
13	BM13B-NSHSS-TBT	12.0	15.0	1,000	
14	BM14B-NSHSS-TBT	13.0	16.0	1,000	
15	BM15B-NSHSS-TBT	14.0	17.0	1,000	

Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Polyamide, UL94V-0, natural

Reinforcement: Copper alloy, 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/with suction tape.
 - 2. 2 circuits product is that the second pin of 3 circuits product is plugged up. (Between circuits 2.0mm pitch)

Side entry type

out out y type						
Model No.	Dimensions (mm)		Q'ty/			
	Α	В	reel			
SM02B-NSHSS-TB	*2.0	*5.0	1,500			
SM03B-NSHSS-TB	2.0	5.0	1,500			
SM04B-NSHSS-TB	3.0	6.0	1,500			
SM05B-NSHSS-TB	4.0	7.0	1,500			
SM06B-NSHSS-TB	5.0	8.0	1,500			
SM07B-NSHSS-TB	6.0	9.0	1,500			
SM08B-NSHSS-TB	7.0	10.0	1,500			
SM09B-NSHSS-TB	8.0	11.0	1,500			
SM10B-NSHSS-TB	9.0	12.0	1,500			
SM11B-NSHSS-TB	10.0	13.0	1,500			
SM12B-NSHSS-TB	11.0	14.0	1,500			
SM13B-NSHSS-TB	12.0	15.0	1,500			
SM14B-NSHSS-TB	13.0	16.0	1,500			
SM15B-NSHSS-TB	14.0	17.0	1,500			
	Model No. SM02B-NSHSS-TB SM03B-NSHSS-TB SM04B-NSHSS-TB SM05B-NSHSS-TB SM06B-NSHSS-TB SM07B-NSHSS-TB SM07B-NSHSS-TB SM09B-NSHSS-TB SM10B-NSHSS-TB SM11B-NSHSS-TB SM12B-NSHSS-TB SM12B-NSHSS-TB SM13B-NSHSS-TB	Model No. Dimension A SM02B-NSHSS-TB *2.0 SM03B-NSHSS-TB 2.0 SM04B-NSHSS-TB 3.0 SM05B-NSHSS-TB 4.0 SM06B-NSHSS-TB 5.0 SM07B-NSHSS-TB 6.0 SM08B-NSHSS-TB 7.0 SM09B-NSHSS-TB 8.0 SM10B-NSHSS-TB 9.0 SM11B-NSHSS-TB 10.0 SM12B-NSHSS-TB 11.0 SM13B-NSHSS-TB 12.0 SM14B-NSHSS-TB 13.0	Nodel No. Dimensions (mm)			

Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

Wafer: Polyamide, UL94V-0, natural

Reinforcement: Copper alloy, 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/without suction tape.
 - 2. 2 circuits product is that the second pin of 3 circuits product is plugged up. (Between circuits 2.0mm pitch)
- <For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.
 - ex. BM02B-NSHSS-TBT SM02B-NSHSS-TB
 - S...natural Z...ivory TR...tomato red E...blue MG...moss green DH...dark gray LE...light blue K...black DPK...dark pink