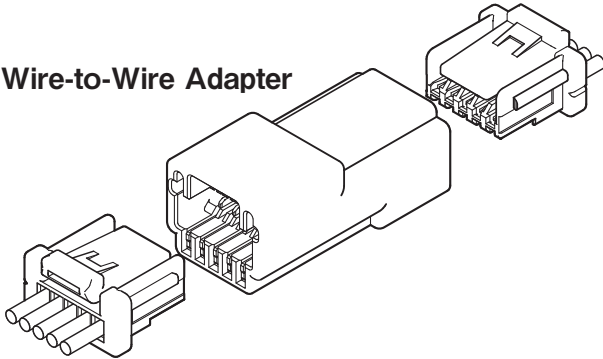


# NSH CONNECTOR <Wire-to-Wire Adapter>

1.0 mm pitch/Wire-to-Wire connectors/Crimp style and Mating style

## Wire-to-Wire Adapter



This is a 1.0 mm pitch, single row, wire-to-wire adapter for 1-N wire configurations, allowing two NSH cable connectors to join together.

The basic mating structure is the same as that of the existing NSH connector for Wire-to-Board connections, providing stable mechanical and electrical performance.

- Wire-to-Wire Adapter
- 1-N configuration
- Free-hanging
- Secure lock mechanism \*
- Fully shrouded header ensures durability with a secure connection reducing the risk of stress and misalignment \*
- Excellent workability during mating process \*

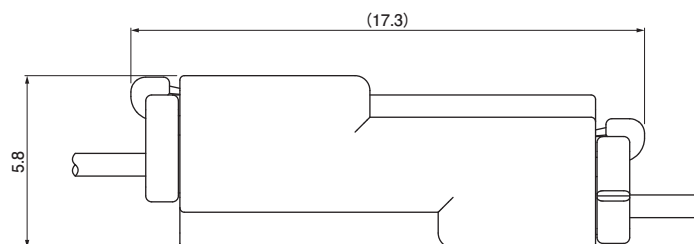
Note: The \* mark is a feature when used in combination with the NSH cable connector.

## Specifications

- Current rating: 1.0 A AC/DC (AWG #28)
- Voltage rating: 50 V AC/DC
- Temperature range: -25°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance:
  - Initial value/ 40 mΩ max.
  - After environmental tests/ 60 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage:
  - There shall be no breakdown or flashover while applying 500 VAC for one minute.
- Applicable wire range:
  - Conductor size/ AWG #32 to AWG #28 \*
  - Insulation O.D./  $\phi$  0.4 mm to  $\phi$  0.8 mm \*

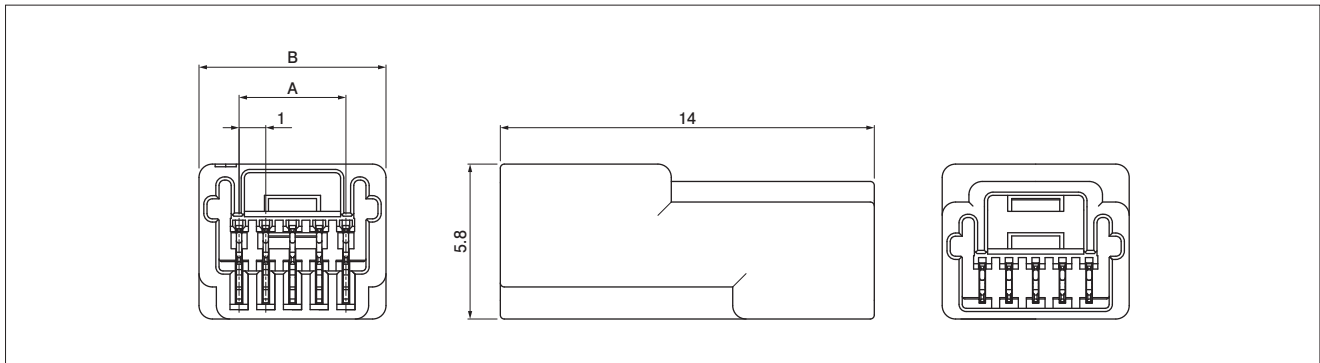
Note: The \* mark is a specification for the NSH cable connector.
- \* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

## Assembly layout



# NSH CONNECTOR (Wire-to-Wire Adapter)

## Wire-to-Wire Adapter



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
5	BU05B-NSHSS	4.0	7.0	500

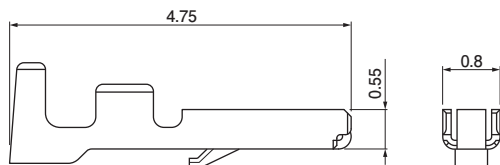
Material and Surface finish, etc.

Contact: Copper alloy, tin-plated  
Housing: PBT (GF), natural

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## Mating half/ NSH connectoer (Cable connector)

### Contact



Model No.	Applicable wire range		Q'ty/reel
	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	
SSHL-003T-P0.2	#32 to #28 (0.032 to 0.08)	0.4 to 0.8	41,000

Material and Surface finish, etc.

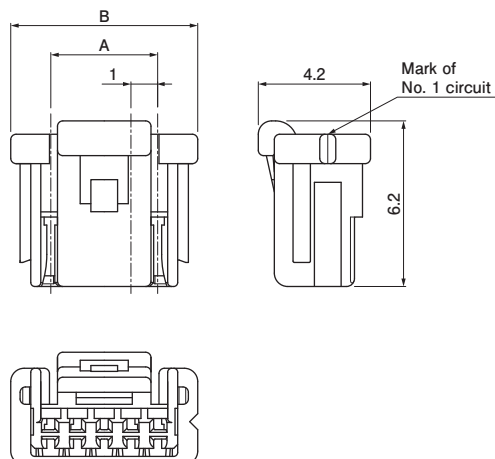
Copper alloy, tin-plated

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SSHL-003T-P0.2	AP-K2N	MKS-L-10-3	APLMK SSH/L003-02

Note: Contact JST for fully automatic crimping applicator.

### Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
5	NSHR-05V-S	4.0	7.0	2,000

Material and Surface finish, etc.

PBT, natural

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

# NSH CONNECTOR ‹Wire-to-Wire Adapter›

## Model number allocation

### Wire-to-Wire Adapter

	BU	05	B -	NSH	S	S
Unit type: For wire-to-wire connection						
No. of circuits						
Assembly product						
Series name						
Color: Natural						
Sub model number						

### Contact

	S	SHL -	003	T -	P	0.2
Supply form: Strip form						
Series name						
Applicable wire range: AWG #32 to AWG #28						
Surface finish: Tin-plated						
Material: Copper alloy						
Applicable contact size						

### Housing

	NSH	R -	05	V -	S
Series name					
Type: For receptacle contacts					
No. of circuits					
Sub model number					
Color: Natural					