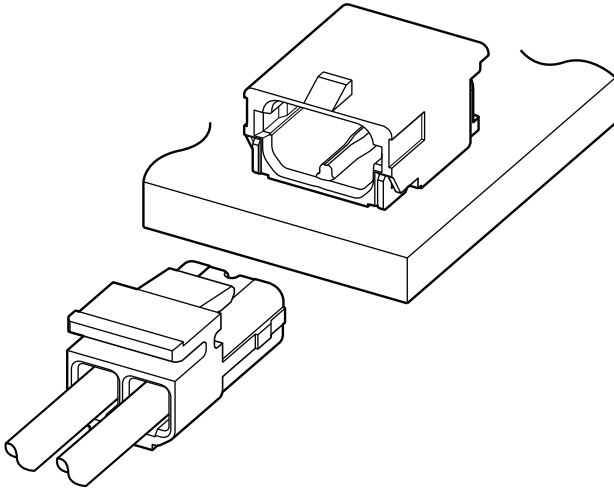


# SFK CONNECTOR

1.8 mm pitch/Wire-to-Board connectors/Crimp style and Mating style



This is a compact, two-circuit connector designed for wire-to-board connections in high-voltage applications.

It is ideal for high-voltage power supply circuits, such as those found in LED backlights for LCD televisions.

- High current capability  
(Voltage rating: 350 V AC/DC)
- Compact design
- Secure lock mechanism
- Halogen-free compliant

## Specifications

- Current rating: 4 A AC/DC (AWG #22)
- Voltage rating: 350 V AC/DC
- Temperature range: -25 °C to +85 °C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.  
After test/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:  
There shall be no breakdown or flashover while applying 1,700 V AC for one minute.
- Applicable wire range:  
Conductor size/ AWG #30 to AWG #22  
Insulation O.D./ φ 0.7 mm to φ 1.3 mm

\* 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.

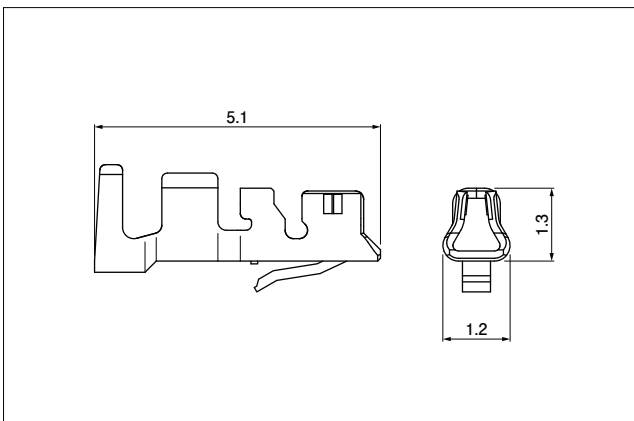
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

## Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

\* Specifications registered to overseas standards may differ from the general specifications listed above.

## Contact



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	
SSFH-002T-P0.5	#30 to #26 (0.05 to 0.13)	0.7 to 1.25	15,000
SSFH-001T-P0.5	#26 to #22 (0.13 to 0.33)	0.95 to 1.3	15,000

Material and Surface finish, etc.

Copper alloy, tin-plated

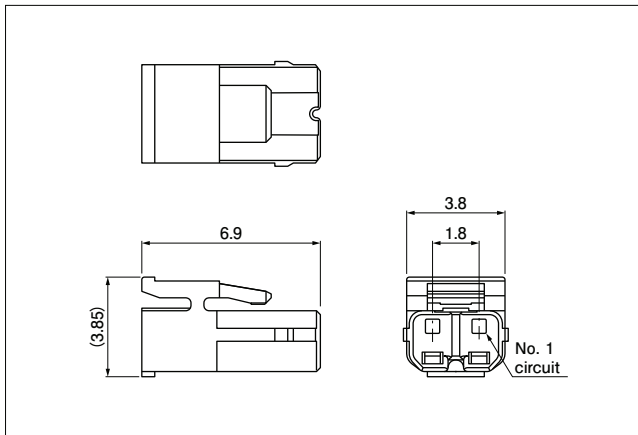
## Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SSFH-002T-P0.5	AP-K2N	MKS-L	APLMK SSFH002-05
SSFH-001T-P0.5			APLMK SSFH001-05

Note: Contact JST for fully automatic crimping applicator.

# SFK CONNECTOR

## Housing



No. of circuits	Model No.	Q'ty/bag
2	SFKR-02V-S	5,000

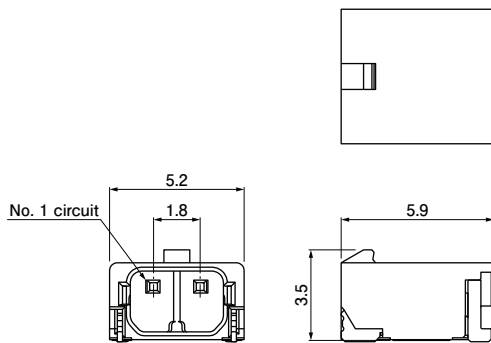
Material and Surface finish, etc.

PA, natural (white)

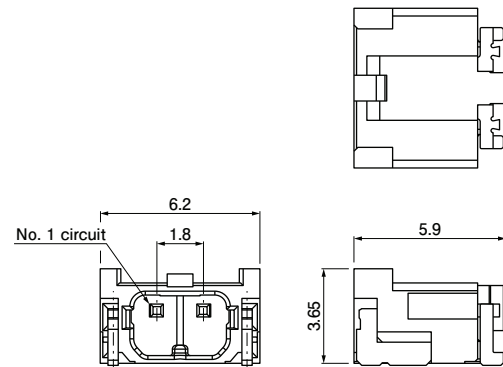
Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## Header

### Standard type



### B type



### Standard type

No. of circuits	Model No.	Q'ty/reel
2	SM02B-SFKH-TF	3,000

Material and Surface finish, etc.

Base contact: Copper alloy, tin-plated  
 Base housing: PA (Heat resistance), gray  
 Reinforcement: Copper alloy, tin-plated

Note: 1. This product is supplied on embossed tape and reel packaging.  
 2. 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).

### B type

No. of circuits	Model No.	Q'ty/reel
2	SM02B-SFKBS3-TF	3,000

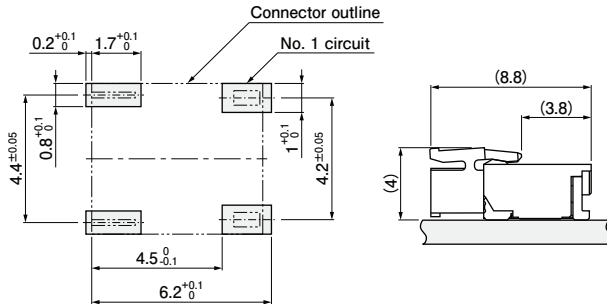
Material and Surface finish, etc.

Base contact: Copper alloy, tin-plated  
 Base housing: PA (Heat resistance), natural  
 Reinforcement: Copper alloy, tin-plated

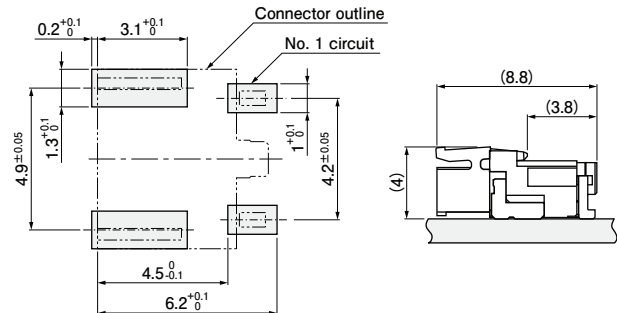
Note: 1. This product is supplied on embossed tape and reel packaging.  
 2. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

## PC board layout and Assembly layout

### Standard type



### B type



- Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.  
2. The above dimensions are for reference only. Please contact JST for further details.

## Model number allocation

### Contact

**S SFH - 001 T - P 0.5**

Supply form: Strip form

Series name

Applicable wire range: 002...AWG #30 to AWG #26  
001...AWG #26 to AWG #22

Surface finish: Tin-plated

Material: Copper alloy

Applicable base contact size

### Housing

**SFK R - 02 V - S**

Series name

Type: For receptacle contact

No. of circuits

Sub model number

Color: Natural (White)

### Header/ Standard type

**SM 02 B - SFK H - TF**

Header type: SMT Side entry type

No. of circuits

Assembly product

Series name

Color: Gray

Packaging style: Embossed taping

### Header/ B type

**SM 02 B - SFK B S 3 - TF**

Header type:  
SMT Side entry type

No. of circuits

Assembly product

Series name

Type

Color: Natural

Resin material: PA (Heat resistance)

Packaging style: Embossed taping