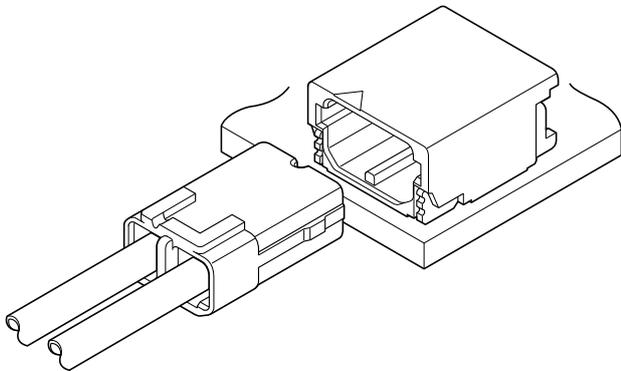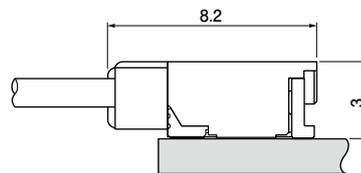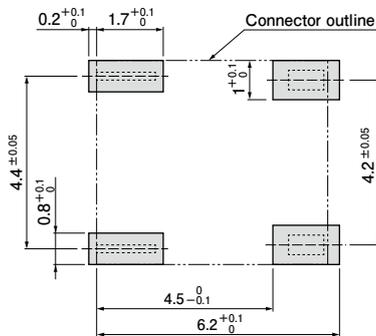# SFH CONNECTOR

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



This low profile type connector with height of 3.0mm is designed for connection to stroboscope flash and realized space saving.

- Contact lance
- Countermeasure for inverse insertion and locking feature

## ■ Standards

- **UL** : Recognized E60389
- **CSA** : Certified LR20812

## ■ Specifications

- Current rating: 4 A AC/DC (AWG #22)
- Voltage rating: 350 V AC/DC
- Temperature range: -25℃ to +85℃
    (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10 mΩ max.
    After environmental testing/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 1,700 V AC/minute
- Applicable wire: Conductor size/ AWG #30 to #22
    Insulation O.D./ 0.7 to 1.3mm

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



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

## Contact
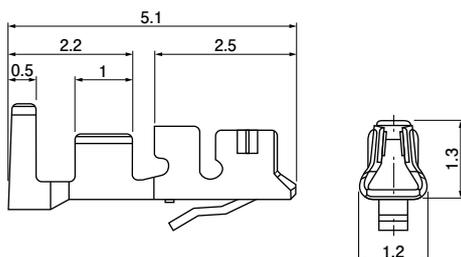


| Model No. | Applicable wire | | | Q'ty/ reel |
|---|---|---|---|---|
| | mm² | AWG# | Insulation O.D. (mm) | |
| SSFH-001T-P0.5 | 0.13 to 0.33 | 26 to 22 | 0.95 to 1.3 | 15,000 |
| SSFH-002T-P0.5 | 0.05 to 0.13 | 30 to 26 | 0.7 to 1.25 | 15,000 |

| Material and Finish |
|---|
| Copper alloy, tin-plated (reflow treatment) |

**RoHS compliance**

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

Note: Contact JST for fully automatic crimping applicator.

# SFH CONNECTOR

## Housing
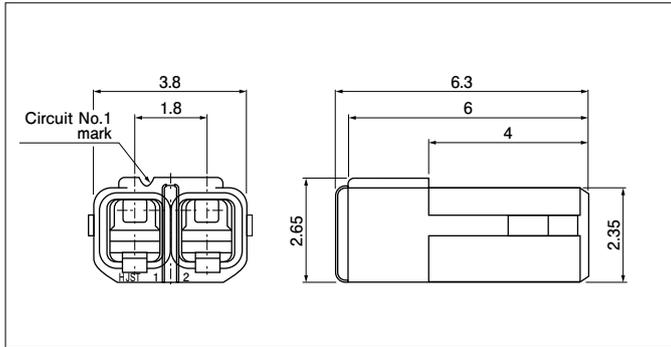


| No. of circuits | Model No. | Q'ty/bag |
|---|---|---|
| 2 | SFHR-02V-R | 1,000 |

| Material and Finish | | |
|---|---|---|
| Thermoplastic resin, UL94V-0 | | |

**RoHS compliance**

## Header
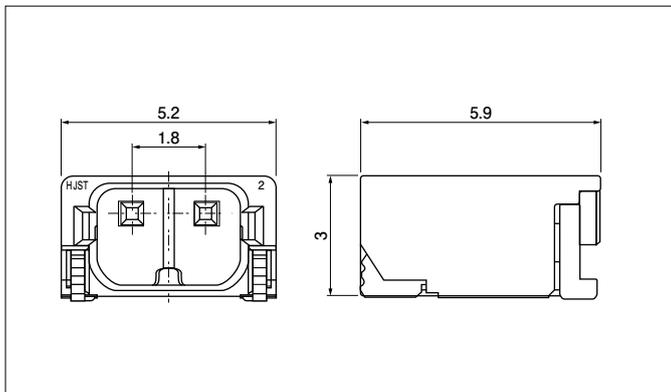


| No. of circuits | Model No. | Q'ty/reel |
|---|---|---|
| 2 | SM02B-SFHRS-TF | 2,000 |

| Material and Finish | | |
|---|---|---|
| Press pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment)<br>Wafer: Heat resisting resin, UL94V-0<br>Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment) | | |

**RoHS compliance**   This product displays (LF)(SN) on a label.

## Model number allocation

### Contact

S SFH - 001 T - P 0.5

Form: S···Strip form
Series name
Applicable wire range: 001···AWG #26 to #22
002···AWG #30 to #26
Surface finish: T···Tin-platead (reflow treatment)
Material: P···Copper alloy
Terminal size

### Housing

SFH R - 02 V - R

Series name
Part name: Receptacle
No. of circuits: 2
Flammability: V···UL94V-0
Color: R···Red,  L···Lemon yellow

### Header

SM 02 B - SFH R S - TF

Shape of assembled product:
SM···SMT side entry style
No. of circuits: 2
Part name: Header
Series name
Color: R···Red, L···Lemon yellow
Clinched (Kinked) / Not clinched: S···Straight
Packaging style: TF···Embossed-taping