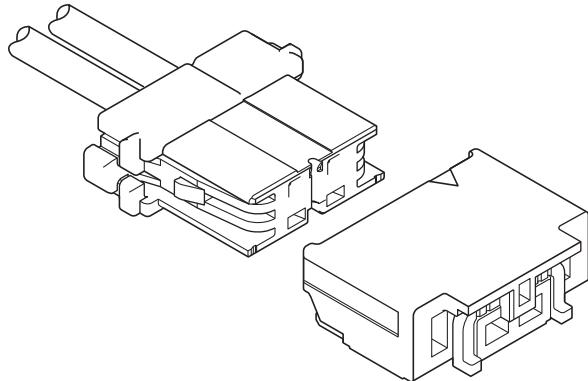


LEA CONNECTOR

1.8 mm pitch/For LED Lamp/Crimp style and Mating style



Considering that the connector does not affect the luminescence angle of LED chip, this low profile type connector (height: 3 mm) is designed for connection to LED lamp and realized space saving. A secure locking mechanism is arranged to this connector in order to consider the handling of wire in actual use, although this is a low profile.

- Secure lock mechanism
- Mechanism for preventing inverse insertion
- Contact lance

■ Standards

IEC :Recognized E 60389

CE :Certified LR 20812

■ Specifications

- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 300 V AC/DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - Initial value/ 10 mΩ max.
 - After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:
There shall be no breakdown or flashover while applying 1,700 VAC 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

* Halogen-free products are also available.

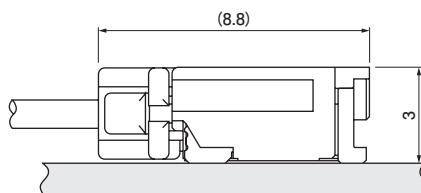
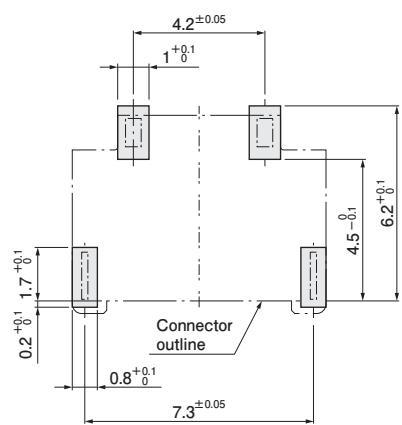
* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.

* RoHS2 compliance

* Dimensional unit: mm

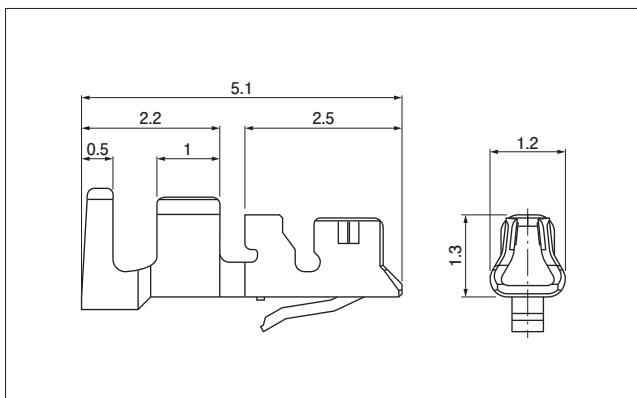
* Contact JST for details.

PC board layout and Assembly layout



Note: 1. The PC board layout is the figure viewed from the connector mounting side.
2. Tolerance for the PCB pattern pitch shall be ± 0.05 and shall not accumulate.
3. The above dimensions are reference values. Please contact JST for details.

Contact



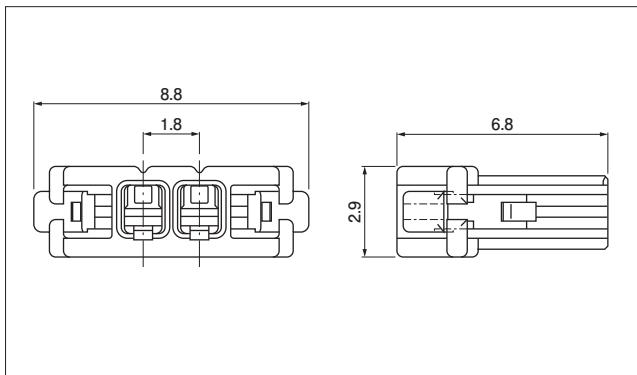
Model No.	Applicable wire range		Q'ty/reel
	Conductor size AWG (mm²)	Insulation O.D. (mm)	
SSFH-002T-P0.5	#30 to #26 (0.05 to 0.13)	0.7 to 1.25	15,000
SSFH-001T-P0.5	#26 to #22 (0.13 to 0.33)	0.95 to 1.3	15,000
Material and Surface finish, etc.			
Copper alloy, tin-plated			

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

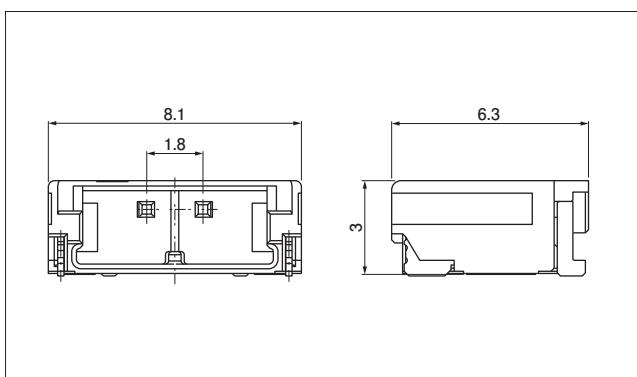
Note: Contact JST for fully automatic crimping applicator.

Housing



No. of circuits	Model No.	Q'ty/bag
2	LEAR-02V-S	2,000
Material and Surface finish, etc.		
PBT, UL94V-0, natural		

Header



No. of circuits	Model No.	Q'ty/reel
2	SM02B-LEASS-TF	2,000
Material and Surface finish, etc.		
Post: Copper alloy, copper-undercoated, tin-plated Housing: PA 9T, UL94V-0, white Solder tab: Copper alloy, copper-undercoated, tin-plated		

Note: 1. This product displays (LF)(SN) on a label.
2. The product listed above is supplied on embossed-tape.

Model number allocation

Contact

S SFH - 001T - 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 post size

Housing

LEA R - 02 V - S

Series name

Type: Receptacle

No. of circuits

Flammability: UL94V-0

Color: Natural

Header

SM 02 B - LEA S S - TF

Header type : SMT side entry type

No. of circuits

Assembly product

Series name

Color: White

Auxiliary symbol

Packaging style: Embossed-taping