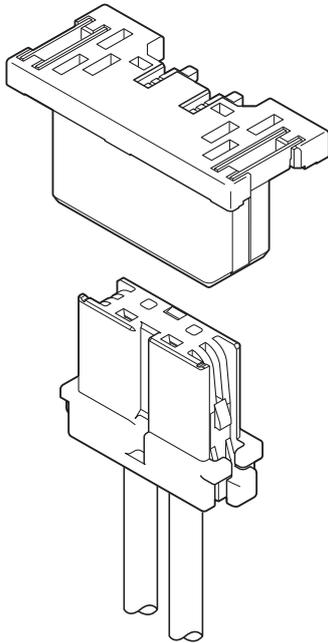


LEX CONNECTOR

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



Considering about luminescence property of LED package, this LEX connector is designed as low profile bottom type connector for LED lighting equipment, and achieves the space saving at the connector mounting side.

In consideration of connector mating operation, secure lock and mechanism for preventing wrong insertion are provided. With the assumption that the load may be applied to the soldering part when mating the connector, the strength of soldering part after mounting the connector on PCB has been largely improved.

- Low profile and space saving design
Mounting height at connector mounting side: 1.2 mm
- Secure locking mechanism
- Mechanism for preventing wrong insertion
- Halogen-free and RoHS2 compliant

Specifications

- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 300 V AC/DC
- Temperature range: -55°C to $+105^{\circ}\text{C}$
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 m Ω max.
After environmental tests/ 20 m Ω max.
- Insulation resistance: 1,000 M Ω 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./ $\phi 0.7$ mm to $\phi 1.3$ mm

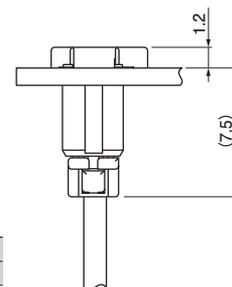
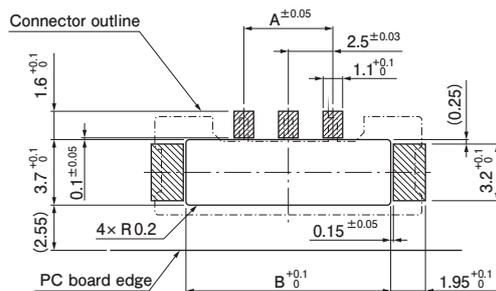
* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.

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

Standards

- Ⓜ Recognized E60389
- Ⓢ Certified LR20812

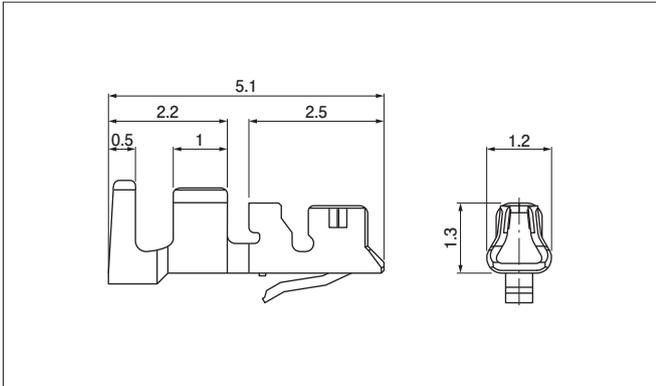
PC board layout and Assembly layout



No. of circuits	Dimensions (mm)	
	A	B
2	—	9.0
4	7.5	14.0

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

Contact



Model No.	Applicable wire range			Q'ty/ reel
	mm ²	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 Surface finish, etc.

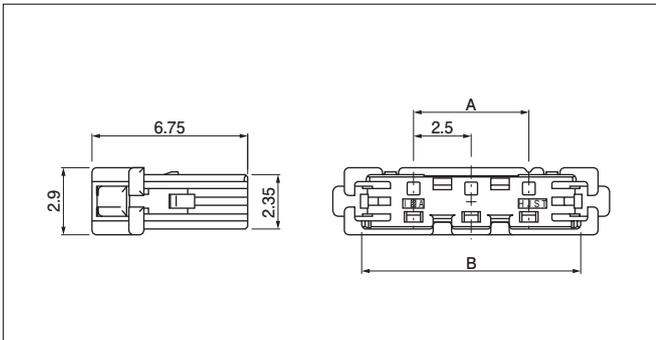
Copper alloy, tin-plated

Crimping machine

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

Note: Contact JST for fully automatic crimping applicator.

Housing

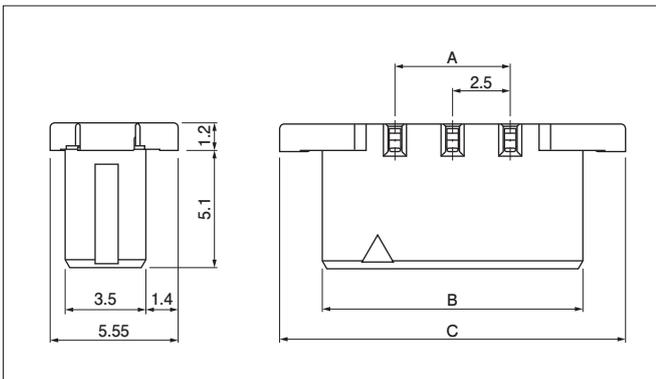


No. of circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
2	LEXR-02V-S (HF)	—	7.0	2,000
4	LEXR-04V-S (HF)	7.5	12.0	1,000

Material and Surface finish, etc.

Glass-filled PA 66, UL94V-0, natural

Header



No. of circuits	Model No.	Dimensions (mm)			Q'ty/ reel
		A	B	C	
2	EM02B-LEXSS-TF (HF)	—	8.8	12.5	1,600
4	EM04B-LEXSS-TF (HF)	7.5	13.8	17.5	1,600

Material and Surface finish, etc.

Press pin: Copper alloy, copper-undercoated, tin-plated

Housing: PA 9T, UL94V-0, natural

Reinforcement: Copper alloy, copper-undercoated, tin-plated

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

LEX CONNECTOR

Model number allocation

Contact

S SFH -001 T - P 0.5

Form: S··Strip form

Series name

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

Surface finish: T··Tin-plated

Material: P··Copper alloy

Terminal size

Housing

LEX R - 02 V - S (HF)

Series name

Part name: Receptacle

No. of circuits: 2, 4

Flammability: V··UL94V-0

Color: S··Natural

Halogen-free: (HF)··Yes

Header

EM 02 B - LEX S S - TF (HF)

PCB mounting style:
EM··SMT bottom type

No. of circuits: 2, 4

Part name: Header

Series name

Color: S··Natural

Sub model number

Packaging style: TF··Embossed-taping

Halogen-free: (HF)··Yes