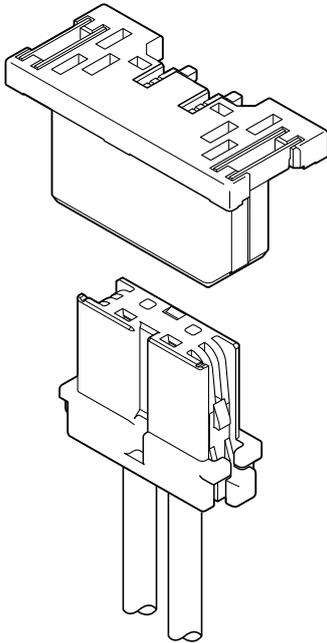


LEX CONNECTOR



2.5mm pitch/For LED Lamp/Disconnectable Crimp style connectors



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: 1.2mm
- Secure locking mechanism
- Mechanism for preventing wrong insertion
- Halogen-free and RoHS compliant

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: 1,700 VAC/minute
- Applicable wire: Conductor size/ AWG #30 to #22
Insulation O.D./ 0.7 to 1.3 mm

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

* Contact JST for details.

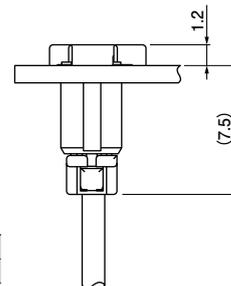
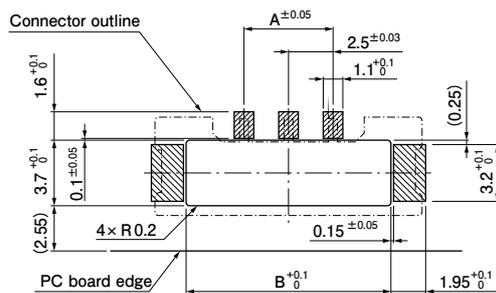
* Compliant with RoHS.

Standards

Ⓜ Recognized E60389

Ⓢ Certified LR20812

PC board layout and Assembly layout



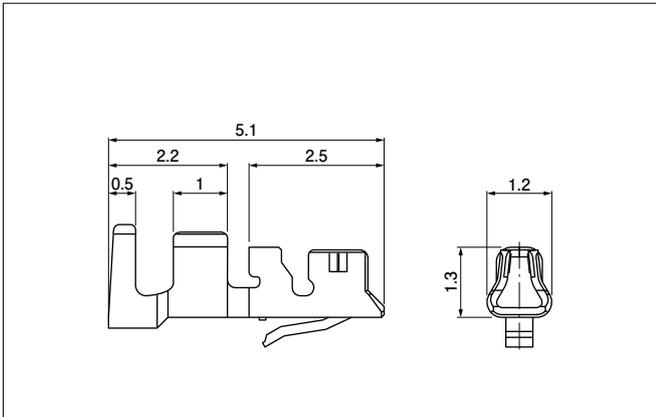
No. of circuits	Dimensions (mm)	
	A	B
2	—	9.0
4	7.5	14.0

Note: 1. The above figure is the figure viewed from the connector mounting side.

2. Tolerances are non-cumulative: ± 0.05 mm for all centers.

The dimensions above should serve as a guideline. Contact JST for details.

Contact



Model No.	Applicable wire			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 Finish

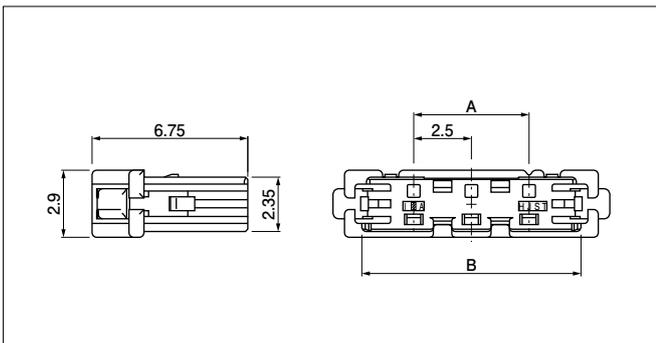
Copper alloy, tin-plated (reflow treatment)

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.

Housing



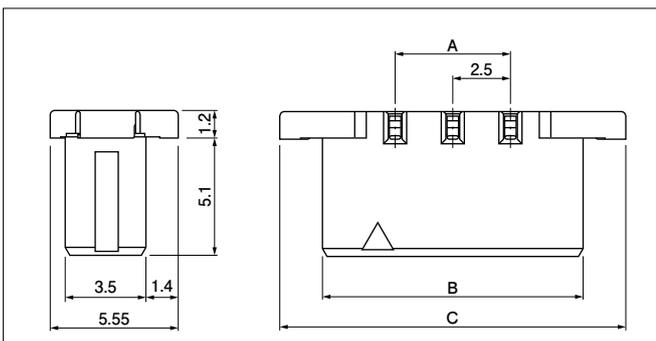
No. of circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
2	LEXR-02V-S (HF)	—	7.0	2,000
4	LEXR-04V-S (HF)	7.5	12.0	1,000

Material

Glass-filled PA 66, UL94V-0, natural

RoHS compliance

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 Finish

Press pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Housing: PA 9T, UL94V-0, natural
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance

Note: The products listed above are supplied on embossed-tape.

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 #22	
002··AWG #30 to #26	
Surface finish: T··Tin-plated (reflow treatment)	
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	
Indication of halogen free: (HF)··Halogen free	

Header

	EM 02 B - LEX S S - TF (HF)
Shape of assembled product: EM··SMT bottom type	
No. of circuits: 2, 4	
Part name: Header	
Series name	
Color: S··Natural	
Indication of clinch: S··Straight pin	
Packaging style: TF··Embossed-taping	
Indication of halogen free: (HF)··Halogen free	