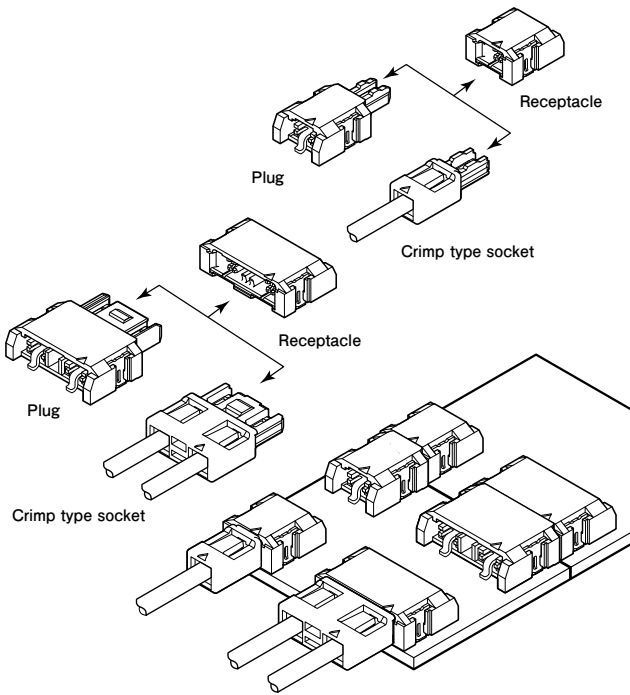


# LEB CONNECTOR



4.0mm pitch/For LED Lamp/Board-to-board, Disconnectable Crimp style connectors



Considering about luminescence property of LED device, this LEB connector is designed as low profile type connector (height: 2.7mm) for LED lighting, and achieves the space saving. The horizontal connection between PCBs enables and the mechanism of absorbing the PCB misalignment has been installed considering the parallel use for the connector. Fork type contact that has a high contact pressure (receptacle side) and enough mating stroke provide the stable contact performance even if the PCB expands and contracts due to heat.

- Absorption misalignment mechanism (only connector pitch direction)
- The PCB layout is in common with plug and receptacle connectors.
- Mechanism for preventing wrong insertion
- Crimp type socket that is mated with receptacle connector is available.

## Specifications

<For board-to-board>

- Current rating: 3A AC, DC
- Voltage rating: 300V AC, DC
- Temperature range: -55°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20mΩ max.  
After environmental testing/ 40mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,700V AC/minute

<For disconnectable crimp style>

- Current rating: 3A AC, DC (AWG #22)
- Voltage rating: 300V AC, DC
- Temperature range: -55°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20mΩ max.  
After environmental testing/ 40mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,700V AC/minute
- Applicable wire: Conductor size/ AWG #26 to #22  
Insulation O.D./ 0.95 to 1.3mm

\* Compliant with RoHS.

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

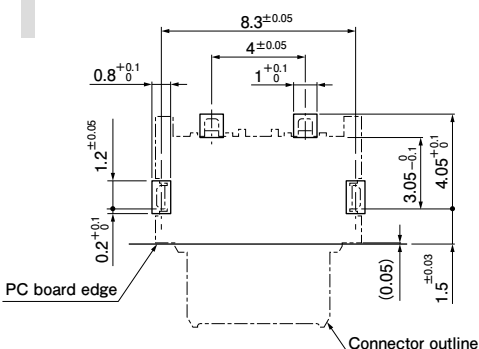
\* Contact JST for details.

## Standards

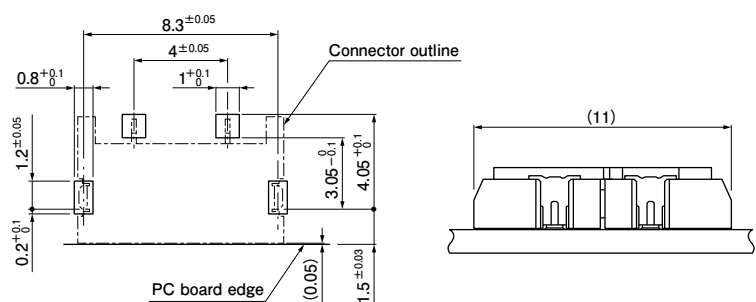
TM Recognized E60389

CS Certified LR20812

### Plug



### Receptacle



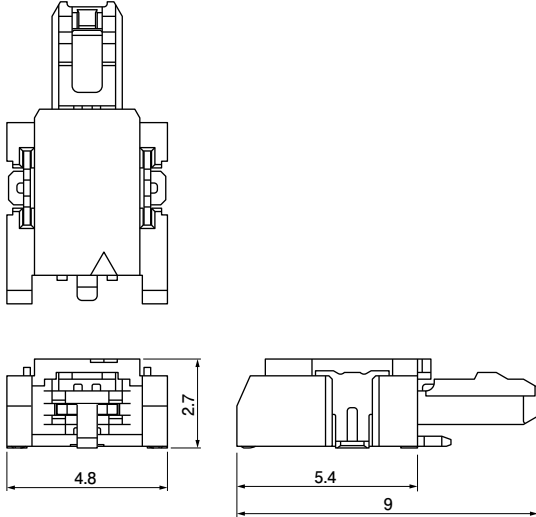
Note: 1. The above figure is the figure viewed from the connector mounting side.

2. Tolerances are non-cumulative:  $\pm 0.05$ mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

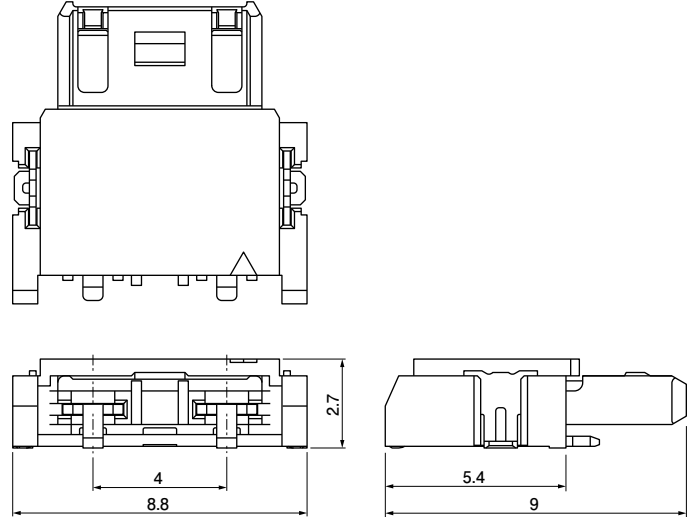
# LEB CONNECTOR

## Plug

<Single circuit>



<2 circuits>



No. of circuits	Model No.	Q'ty / reel
1	01P-LEBSS-TF	2,000
2	02P-LEBSS-TF	2,000

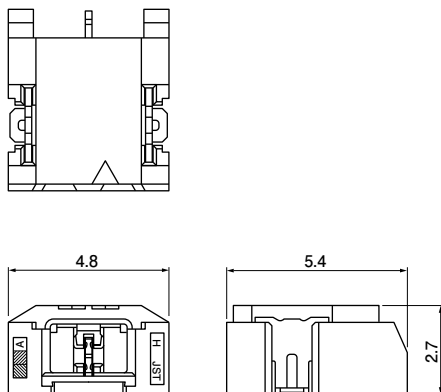
### Material and Finish

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

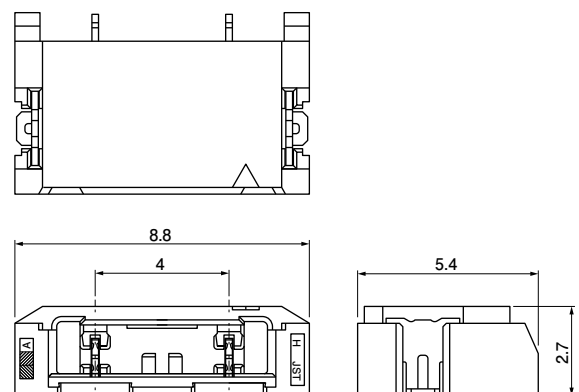
**RoHS compliance** This product displays (LF)(SN) on a label.  
 Note: The products listed above are supplied on embossed-tape.

## Receptacle

<Single circuit>



<2 circuits>



No. of circuits	Model No.	Q'ty / reel
1	01R-LEBSS-TB	2,000
2	02R-LEBSS-TB	2,000

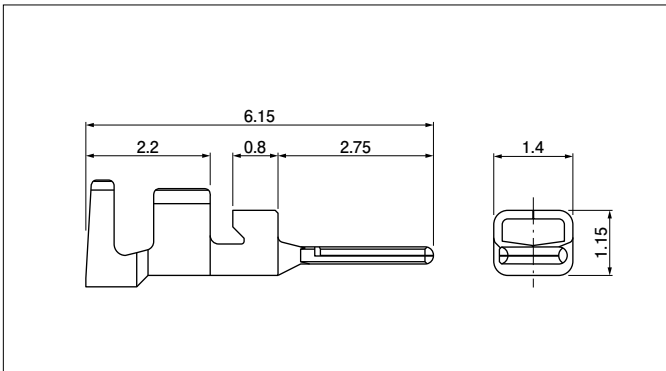
### Material and Finish

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

**RoHS compliance** This product displays (LF)(SN) on a label.  
 Note: The products listed above are supplied on embossed-tape.

# LEB CONNECTOR

## Contact



Model No.	Applicable wire			Q'ty / reel
	mm <sup>2</sup>	AWG#	Insulation O.D. (mm)	
SLEB-001T-P0.2	0.13 to 0.33	26 to 22	0.95 to 1.3	15,000

### Material and Finish

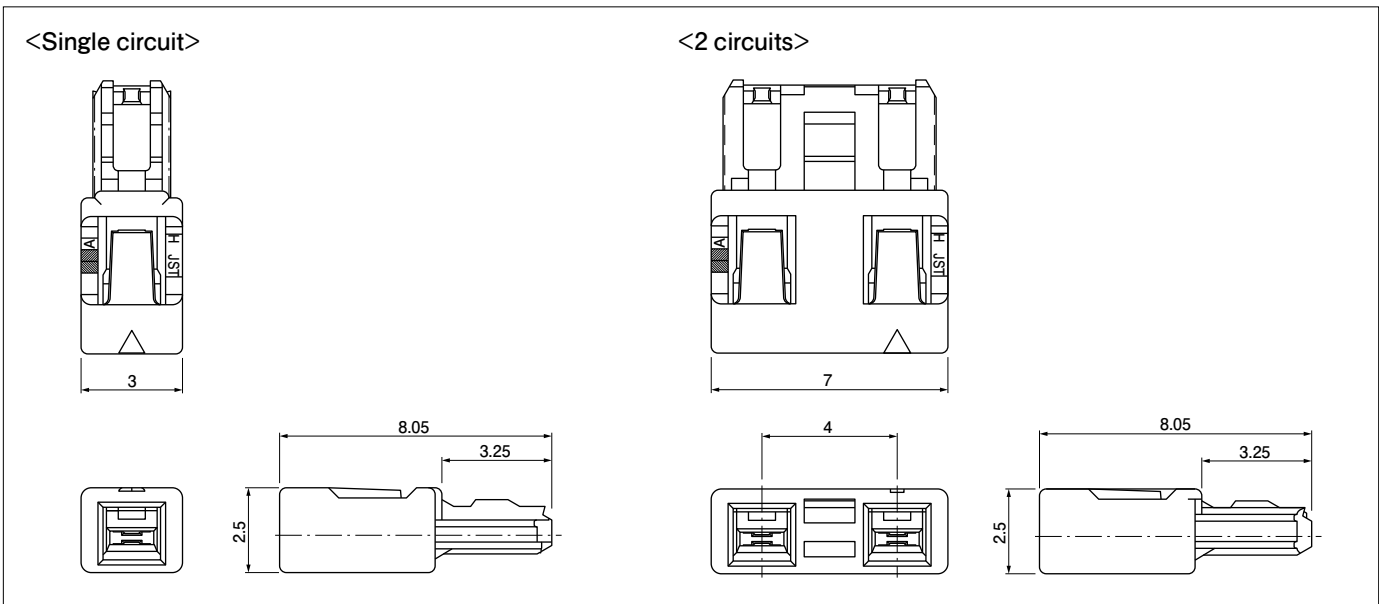
Copper alloy, tin-plated (reflow treatment)

### RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SLEB-001T-P0.2	AP-K2N	MKS-L	MK/SLEB-001-02	APLMK SLEB001-02
		—	—	—

Note: Contact JST for fully automatic crimping applicator.

## Housing



No. of circuits	Model No.	Q'ty / bag
1	LEBRP-01V-S	2,000
2	LEBRP-02V-S	2,000

### Material

PBT, UL94V-0, natural

### RoHS compliance

## Model number allocation

### Plug

**01 P-LEB S S - TF**

No. of circuits: 1 to 2	01
Part name: Plug	P-
Series name	LEB
Color: S··White	S
Indication of clinch: S··Straight pin	S
Packaging style: TF··Embossed-taping	TF

### Receptacle

**01 R-LEB S S - TB**

No. of circuits: 1 to 2	01
Part name: Receptacle	R-
Series name	LEB
Color: S··White	S
Indication of clinch: S··Straight pin	S
Packaging style: TB··Embossed-taping	TB

### Contact

**S LEB -001T - P 0.2**

Form: S··Strip form	S
Series name	LEB
Applicable wire range: 001··AWG #26 to #22	-001
Surface finish: T··Tin-plated (reflow treatment)	T
Material: P··Copper alloy	P
Terminal size	0.2

### Housing

**LEB RP - 02 V - S**

Series name	LEB
Part name: Socket for mating the receptacle	RP
No. of circuits: 1 to 2	- 02
Flammability: V··UL94V-0	V
Color: S··Natural	S