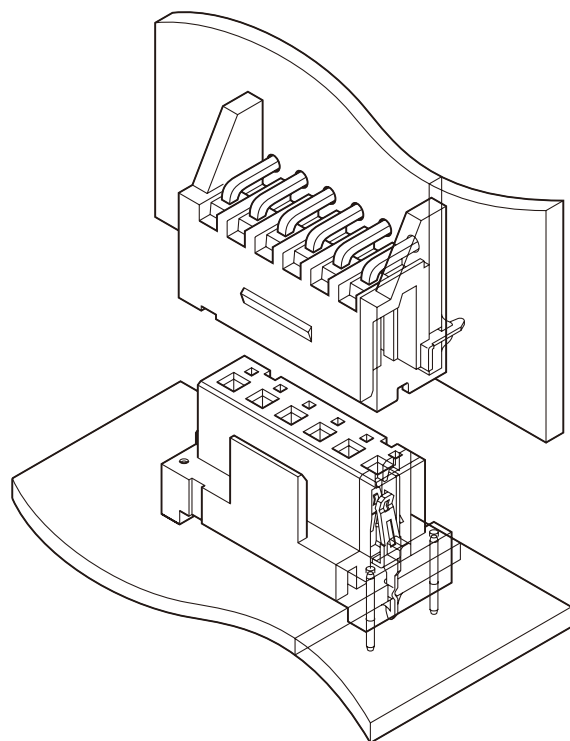
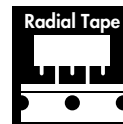


# JL CONNECTOR

2.5mm pitch/Board-to-board connectors



**The JL connector is designed for board-to-board connection in electronic equipment requiring high-density mounting and unitization. This connector is highly resistant to equipment vibration and shock.**

- **High contact pressure**
- **Housing lock assures good connection even after severe shock & vibration**
- **Reinforcing pins increase PCB mounting durability**
- **Polarized, fully shrouded header aligns the connector halves before their pins make contact**

## Specifications

- Current rating: 3A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m  $\Omega$  max.  
After environmental testing/20m  $\Omega$  max.
- Insulation resistance: 1,000M  $\Omega$  min.
- Withstanding voltage: 1,000V AC/minute
- Applicable PC board thickness: 1.6mm
- \* Compliant with RoHS.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

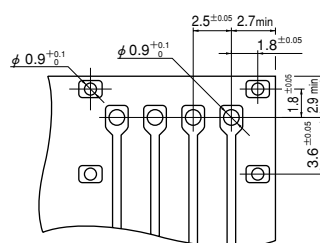
## Standards

Ⓜ Recognized E60389

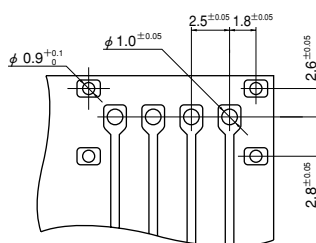
Ⓢ Certified LR20812

## PC board layout (viewed from soldering side) and Assembly layout

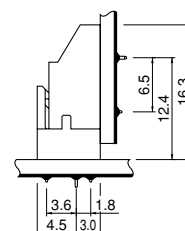
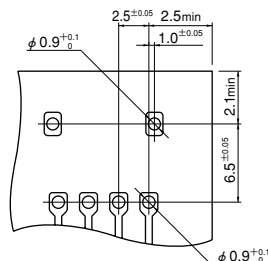
### Receptacle



### Receptacle on radial-tape



### Shrouded header

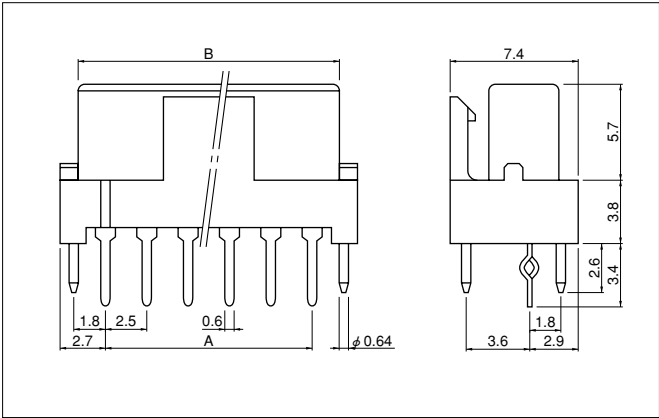


Note: 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  for all centers.

2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

# JL CONNECTOR

## Receptacle



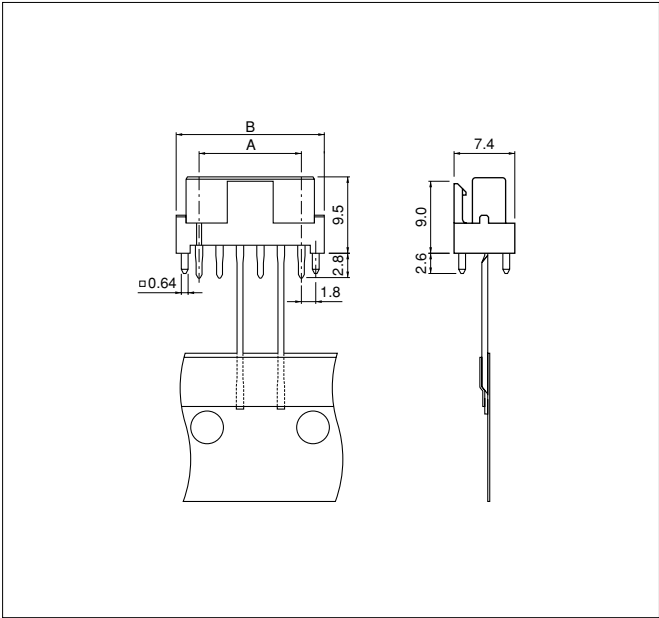
Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
3	03JL-BT-E	5.0	8.2	250
4	04JL-BT-E	7.5	10.7	200
5	05JL-BT-E	10.0	13.2	200
6	06JL-BT-E	12.5	15.7	200
7	07JL-BT-E	15.0	18.2	200
8	08JL-BT-E	17.5	20.7	100
9	09JL-BT-E	20.0	23.2	100
10	10JL-BT-E	22.5	25.7	100
11	11JL-BT-E	25.0	28.2	100
12	12JL-BT-E	27.5	30.7	100
13	13JL-BT-E	30.0	33.2	100
15	15JL-BT-E	35.0	38.2	50

### Material and Finish

Contact: Phosphor bronze, tin-plated (reflow treatment)  
Housing: PA 66, UL94V-0, blue  
Reinforcing pins: Brass, copper-undercoated, tin-plated (reflow treatment)

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

## Receptacle on radial-tape



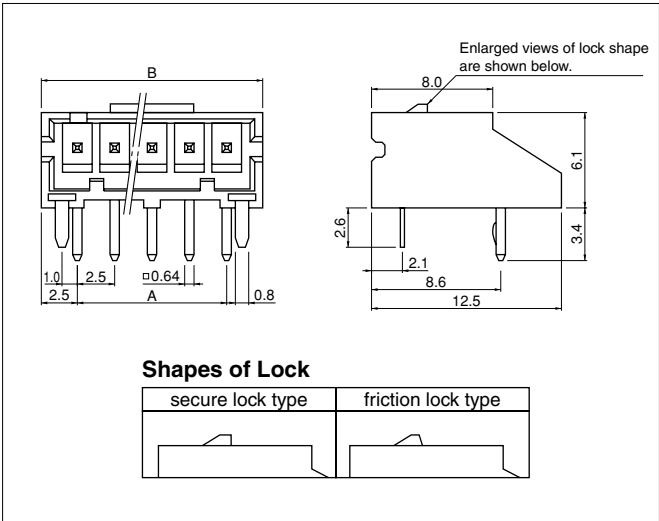
Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
5	05JL-BT-M-T	10.0	15.4	400
6	06JL-BT-M-T	12.5	17.9	400
7	07JL-BT-M-T	15.0	20.4	400
8	08JL-BT-M-T	17.5	22.9	400

### Material and Finish

Contact: Phosphor bronze, tin-plated (reflow treatment)  
Housing: PA 66, UL94V-0  
Reinforcing pins: Brass, copper-undercoated, tin-plated (reflow treatment)

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

## Shrouded header



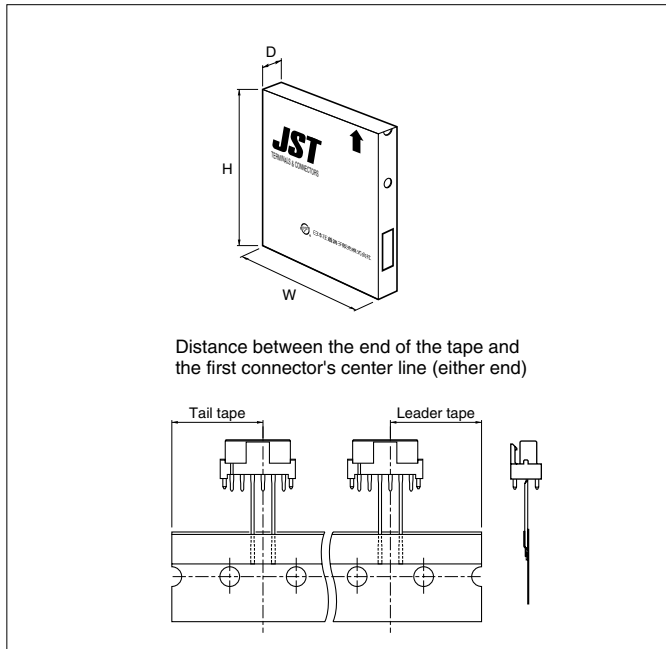
Circuits	Model No.		Dimensions (mm)		Q'ty / box
	secure lock type	friction lock type	A	B	
3	S3B-JL-R	S3B-JL-F-E	5.0	10.0	250
4	S4B-JL-R	S4B-JL-F-E	7.5	12.5	200
5	S5B-JL-R	S5B-JL-F-E	10.0	15.0	200
6	S6B-JL-R	S6B-JL-F-E	12.5	17.5	200
7	S7B-JL-R	S7B-JL-F-E	15.0	20.0	200
8	S8B-JL-R	S8B-JL-F-E	17.5	22.5	100
9	S9B-JL-R	S9B-JL-F-E	20.0	25.0	100
10	S10B-JL-R	S10B-JL-F-E	22.5	27.5	100
11	S11B-JL-R	S11B-JL-F-E	25.0	30.0	100
12	S12B-JL-R	S12B-JL-F-E	27.5	32.5	100
13	S13B-JL-R	S13B-JL-F-E	30.0	35.0	100
15	S15B-JL-R	S15B-JL-F-E	35.0	40.0	100

### Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)  
Wafer: PA 66, UL94V-0, red (secure lock type), blue (friction lock type)  
Reinforcing pins: Brass, tin-plated (reflow treatment)

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

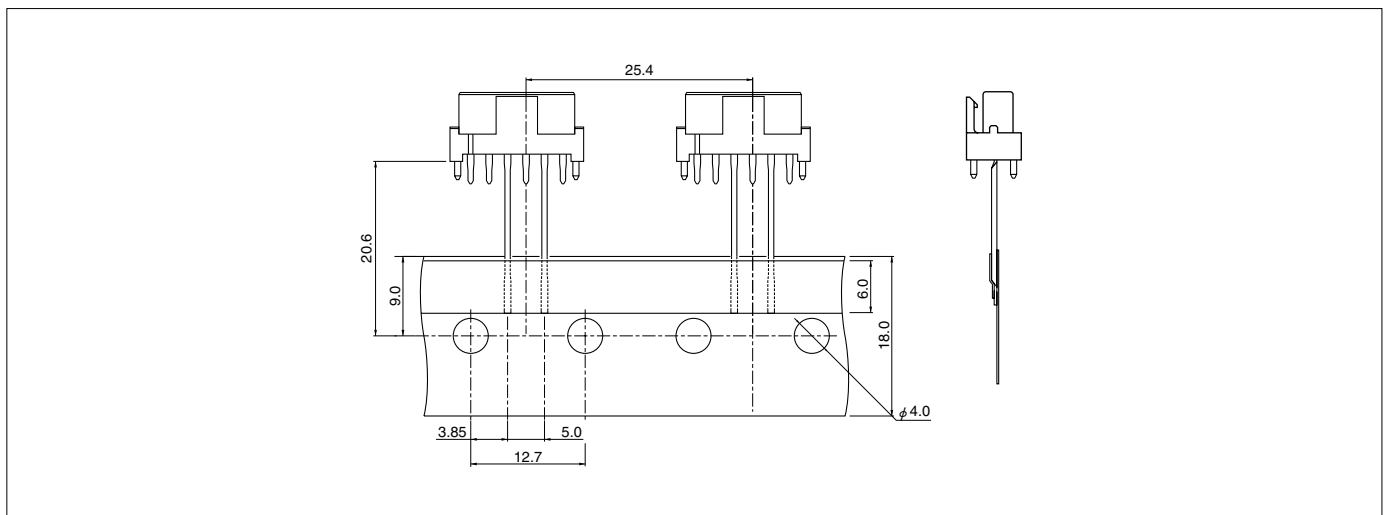
## Packaging specifications



Package type	Flat pack (zigzag folded)	
Distance between folds	24 indexing holes per fold (304.8mm)	
Box size	315(W)×48(D)×285(H)mm	
Distance between the end of the tape and the first connector's center line (either end)	19.05mm	
Quantity	Flat pack	5~8 circuits
		400 pcs. / box

*Note: Products of different packaging specifications are also available.  
Contact JST for details.*

## Taping Specifications



*Note: Conforms to JIC C 0806 of "Tape packaging of components with unidirectional leads on continuous tapes".*