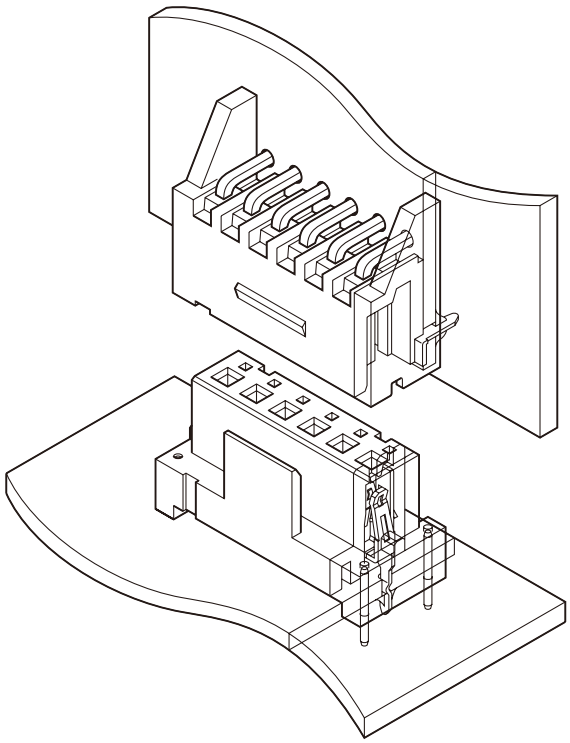


JL CONNECTOR

2.5mm pitch/Board-to-board connectors

Radial Tape



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 Ω max.
  After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω 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.

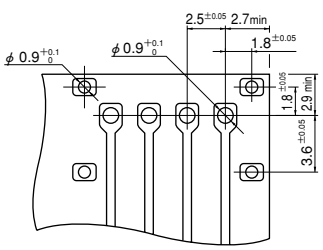
Standards

Recognized E60389

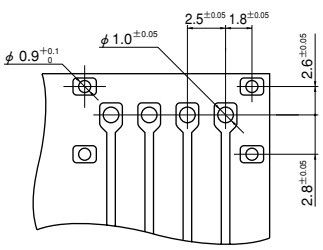
Certified LR20812

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

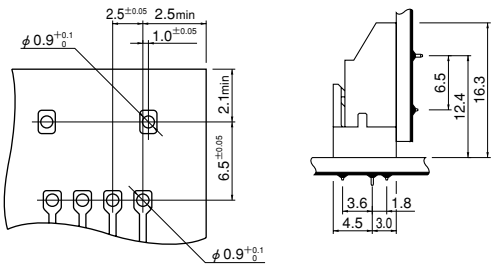
Receptacle



Receptacle on radial-tape



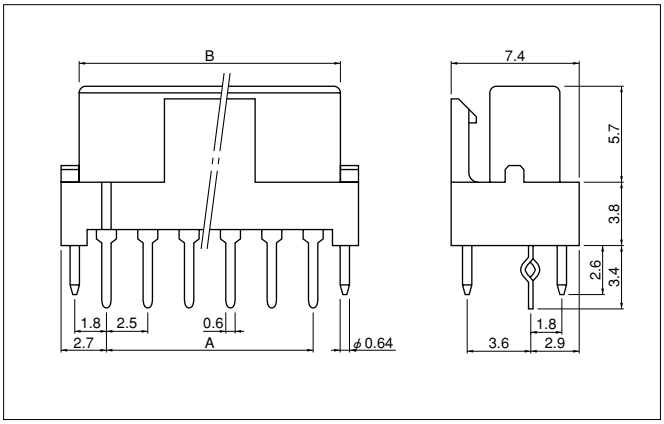
Shrouded header



Note: 1. Tolerances are non-cumulative: ±0.05mm 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.

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Receptacle



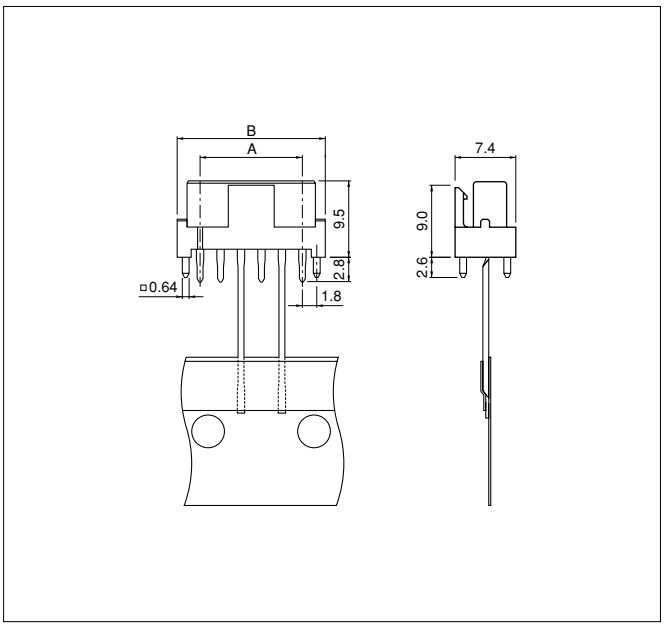
Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
3	**03JL-BT-E**	5.0	8.2	250
4	**04JL-BT-E**	7.5	10.7	200
5	**05JL-BT-E**	10.0	13.2	200
6	**06JL-BT-E**	12.5	15.7	200
7	**07JL-BT-E**	15.0	18.2	200
8	**08JL-BT-E**	17.5	20.7	100
9	**09JL-BT-E**	20.0	23.2	100
10	**10JL-BT-E**	22.5	25.7	100
11	**11JL-BT-E**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



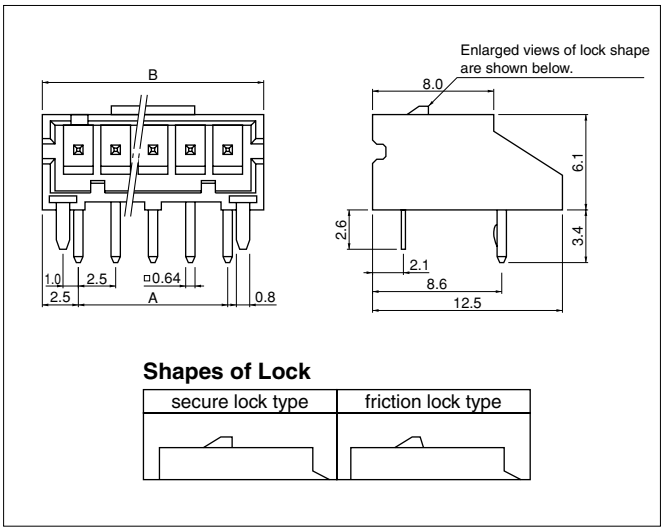
Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
5	**05JL-BT-M-T**	10.0	15.4	400
6	**06JL-BT-M-T**	12.5	17.9	400
7	**07JL-BT-M-T**	15.0	20.4	400
8	**08JL-BT-M-T**	17.5	22.9	400

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

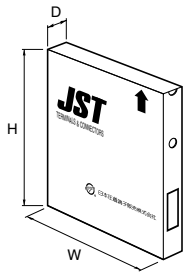
Material and Finish

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)

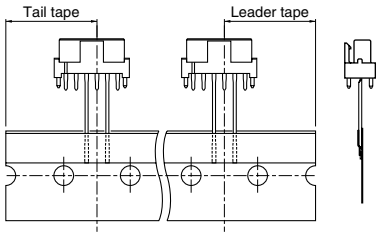
RoHS compliance *This product displays (LF)(SN) on a label.*

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Packaging specifications



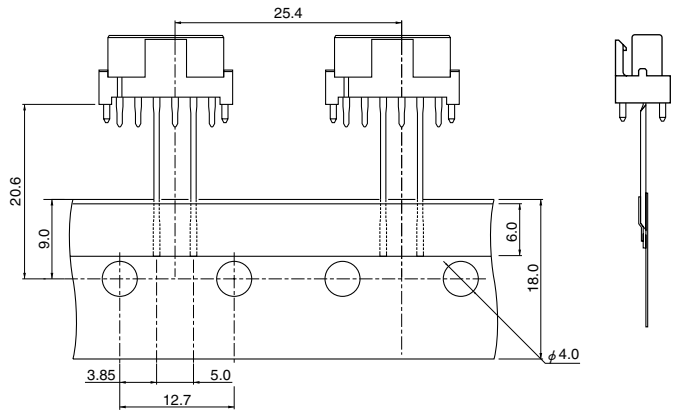
Distance between the end of the tape and
the first connector's center line (either end)



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".

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