The JE connector is a compact, board-to-board connector only 6.8 mm high and 3.6 mm wide. Its mating part has a 1.25 mm pitch, single row construction. High contact pressure dual beam fork contacts are combined with a housing lock mechanism to ensure a reliable connection.

- A compact design to meet today's needs
- Secure locking and reliable connection
- Box shaped housing
- Easy mounting and no flux problems

**Specifications**

- Current rating: 1.0 A AC, DC
- Voltage rating: 50 V AC, DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value / 20 mΩ max. After environmental tests / 40 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable PC board thickness: 1.6 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

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**PC board layout and Assembly layout**

**Plug**

**Receptacle**

Note: 1. The above figure is the figure viewed from the connector soldering side.
2. Tolerances are non-cumulative: ±0.05 mm for all centers.
3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

**Without stopper**

**With stopper**

Note: The daughter board should be secured. For details of the securing method, contact JST.
JE CONNECTOR

Plug

• Without stopper

• With stopper

Circuits | Model No. | Dimensions (mm) | Qty/box |
---|---|---|---|
| Without stopper | With stopper | A | B |
5 | 05PS-JE | 05PSL-JE | 5.0 | 7.4 | 1,400 |
7 | 07PS-JE | 07PSL-JE | 7.5 | 9.9 | 1,050 |
9 | 09PS-JE | 09PSL-JE | 10.0 | 12.4 | 800 |
11 | 11PS-JE | 11PSL-JE | 12.5 | 14.9 | 700 |
13 | 13PS-JE | 13PSL-JE | 15.0 | 17.4 | 600 |
15 | 15PS-JE | 15PSL-JE | 17.5 | 19.9 | 500 |
17 | 17PS-JE | 17PSL-JE | 20.0 | 22.4 | 450 |
19 | 19PS-JE | 19PSL-JE | 22.5 | 24.9 | 400 |

Material and Finish

Contact: Brass, tin-plated (reflow treatment)
Housing: Glass-filled PA 66, UL94V-0

RoHS compliance

Receptacle

Circuits | Model No. | Dimensions (mm) | Qty/box |
---|---|---|---|
| | | A | B |
5 | 05R-JE | 05RSL-JE | 5.0 | 7.4 | 1,000 |
7 | 07R-JE | 07RSL-JE | 7.5 | 9.9 | 1,000 |
9 | 09R-JE | 09RSL-JE | 10.0 | 12.4 | 1,700 |
11 | 11R-JE | 11RSL-JE | 12.5 | 14.9 | 1,400 |
13 | 13R-JE | 13RSL-JE | 15.0 | 17.4 | 1,200 |
15 | 15R-JE | 15RSL-JE | 17.5 | 19.9 | 1,000 |
17 | 17R-JE | 17RSL-JE | 20.0 | 22.4 | 900 |
19 | 19R-JE | 19RSL-JE | 22.5 | 24.9 | 800 |

Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)
Housing: Glass-filled PA 66, UL94V-0

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