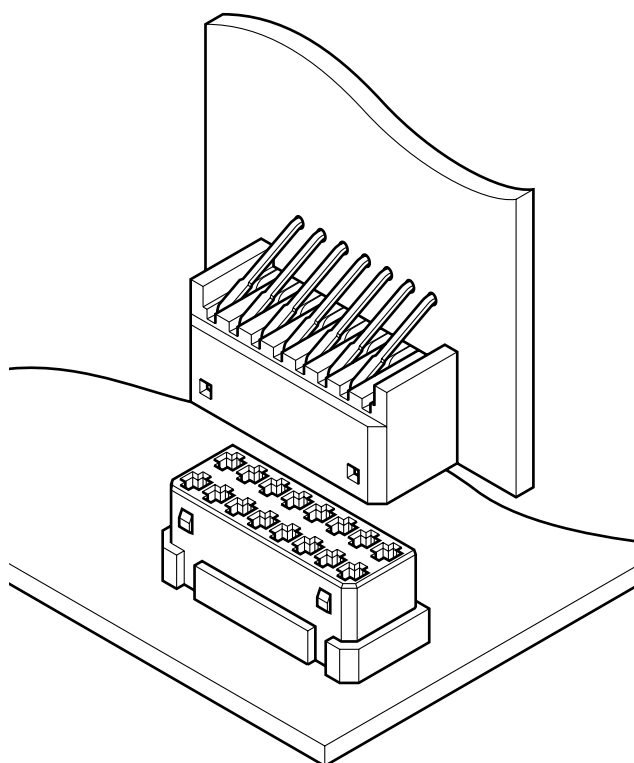


# JED CONNECTOR

Board-to-board connectors



**This 1.25mm (.049") pitch dual-in-line connector allows high-density packaging. Double-sided, high-pressure contacts and a housing locking feature provide reliable connections.**



## Feature

### • Compact, high-density design

This small connector has a 1.25mm (.049") pitch dual-in-line construction at both the mating and printed circuit board sides. It has a mounting height of only 7.0mm (.278") and a thickness of 4.6mm (.181").

### • Positive housing lock provides a highly reliable connection

The high-pressure, double-sided, fork type contacts and a housing lock feature ensure continuity even when the connector is subjected to severe vibration or shock.

### • Polarized shrouded header

The polarized shrouded header prevents misinsertion or distortion of the receptacle housing during mating. The rigid mating between the plug and receptacle guarantees high reliability during vibration or shock.

## Specifications

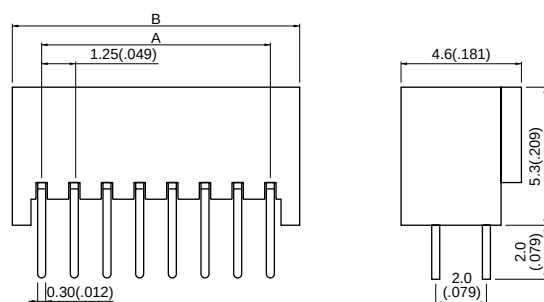
- Current rating: 1.0A AC, DC
  - Voltage rating: 50V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/20m  $\Omega$  max.  
After environmental testing/40m  $\Omega$  max.
  - Insulation resistance: 300M  $\Omega$  min.
  - Withstanding voltage: 500V AC/minute
  - Applicable PC board thickness: 0.8 to 1.0mm(.031" to .039")
- \* Contact JST for details.

## Standards

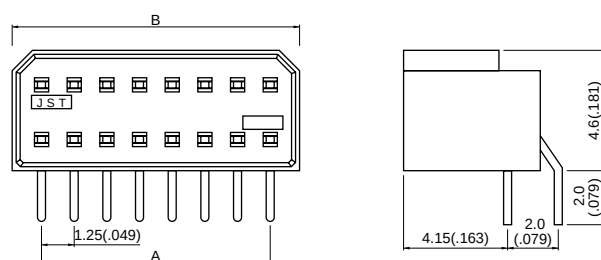
- 0 Recognized E60389
- 1 Certified LR20812

## Plug

### Top entry type



### Side entry type

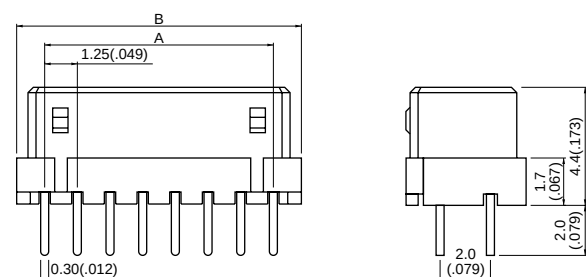


| Circuits | Model No.      |                 | Dimensions mm(in.) |             | Q'ty / box |
|----------|----------------|-----------------|--------------------|-------------|------------|
|          | Top entry type | Side entry type | A                  | B           |            |
| 8        | <b>08P-JED</b> | <b>08PS-JED</b> | 3.75(.148)         | 5.95(.234)  | 500        |
| 16       | <b>16P-JED</b> | <b>16PS-JED</b> | 8.75(.344)         | 10.95(.431) | 500        |
| 22       | <b>22P-JED</b> | <b>22PS-JED</b> | 12.50(.492)        | 14.70(.579) | 500        |

#### Material and Finish

Contact: Brass, copper-undercoated, tin-plated  
Housing: Glass-filled nylon 66, UL94V-0

## Receptacle



| Circuits | Model No.      | Dimensions mm(in.) |             | Q'ty / box |
|----------|----------------|--------------------|-------------|------------|
|          |                | A                  | B           |            |
| 8        | <b>08R-JED</b> | 3.75(.148)         | 5.95(.234)  | 500        |
| 16       | <b>16R-JED</b> | 8.75(.344)         | 10.95(.431) | 500        |
| 22       | <b>22R-JED</b> | 12.50(.492)        | 14.70(.579) | 500        |

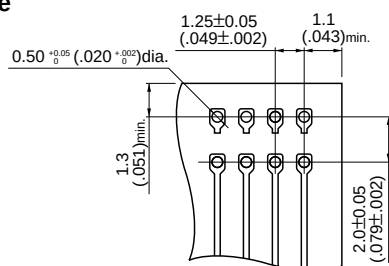
#### Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated  
Housing: Glass-filled nylon 66, UL94V-0

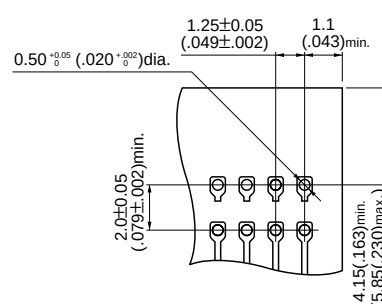
# JED CONNECTOR

## PC board layout (viewed from soldering side)-----

**Plug: top entry type  
Receptacle**



**Plug: side entry type**

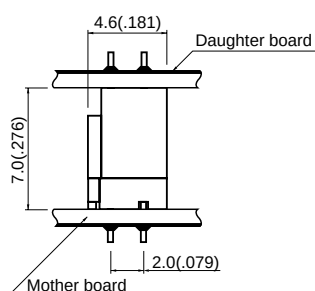


Note:

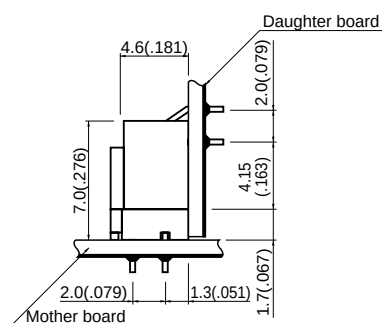
1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}(\pm 0.002")$  for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline.

## Assembly layout-----

**Top entry type**



**Side entry type**



Note: The daughter board must be secured by means other than the connector.  
Contact JST for more details.