



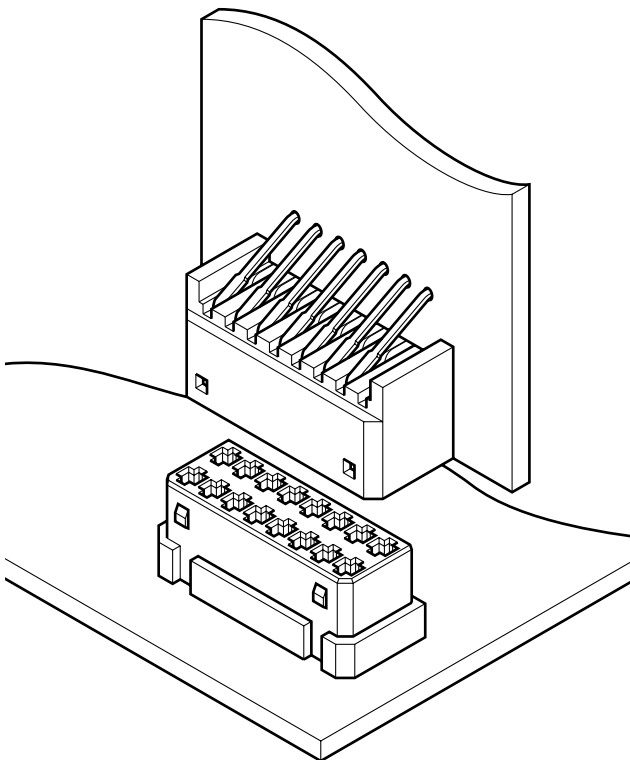
1.25mm
(.049") pitch

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 Ω max.
After environmental testing/40m Ω max.
 - Insulation resistance: 300M Ω min.
 - Withstanding voltage: 500V AC/minute
 - Applicable PC board thickness: 0.8 to 1.0mm(.031" to .039")
- * Contact JST for details.

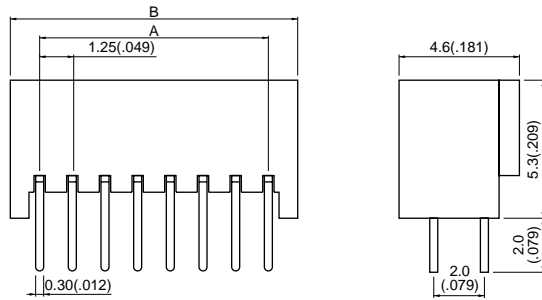
Standards

○ Recognized E60389

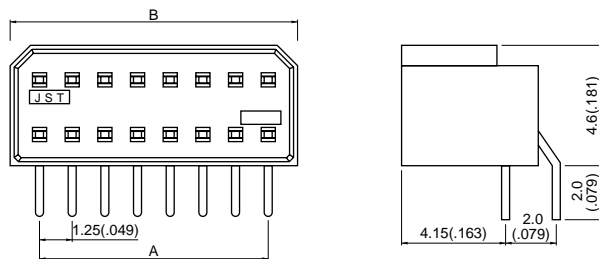
1 Certified LR20812

Plug

Top entry type



Side entry type

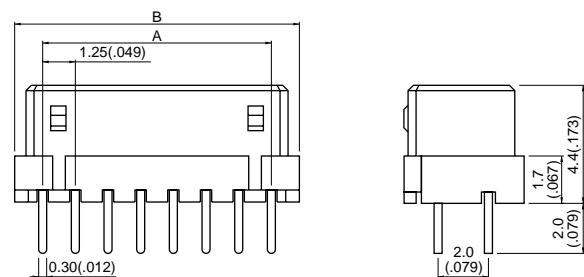


Circuits	Model No.		Dimensions mm(in.)		Q'ty / box
	Top entry type	Side entry type	A	B	
8	08P-JED	08PS-JED	3.75(.148)	5.95(.234)	500
16	16P-JED	16PS-JED	8.75(.344)	10.95(.431)	500
22	22P-JED	22PS-JED	12.50(.492)	14.70(.579)	500

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	08R-JED	3.75(.148)	5.95(.234)	500
16	16R-JED	8.75(.344)	10.95(.431)	500
22	22R-JED	12.50(.492)	14.70(.579)	500

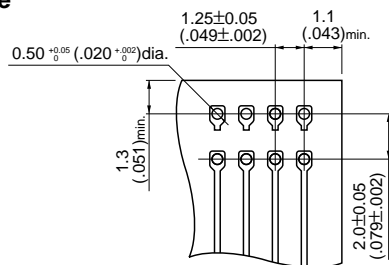
Material and Finish

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

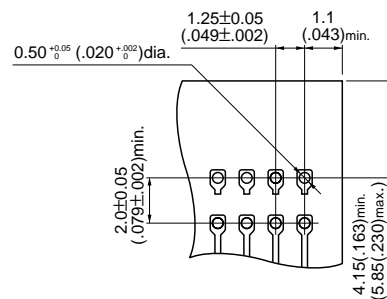
JED CONNECTOR

PC board layout (viewed from soldering side)

**Plug: top entry type
Receptacle**



Plug: side entry type

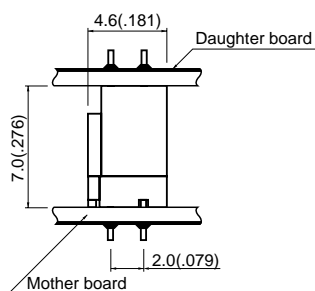


Note:

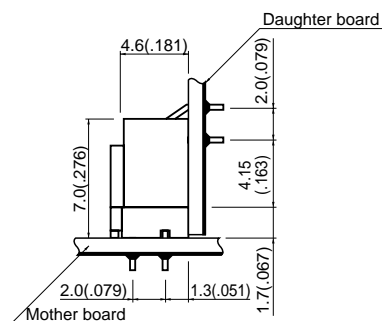
1. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline.

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.