

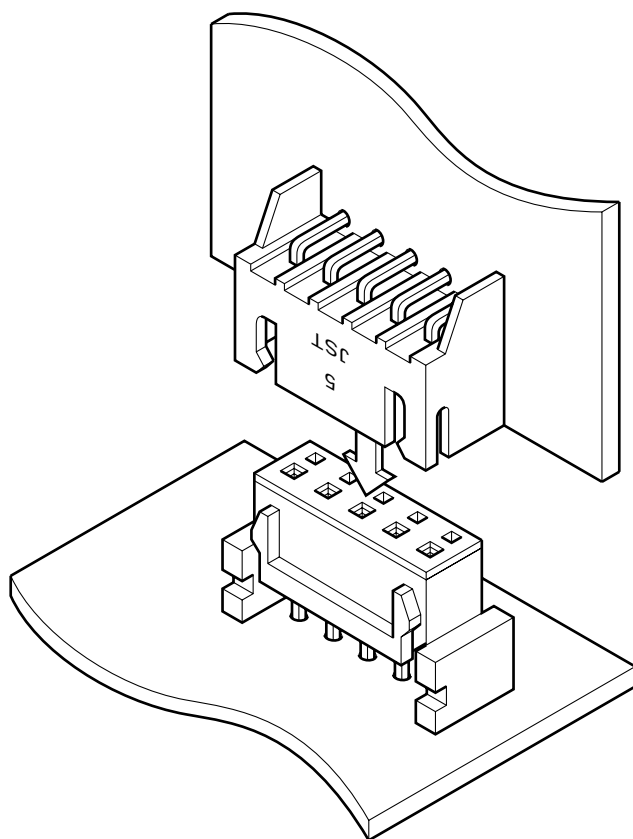
JST**2.5mm**
(.098") pitch

JQ CONNECTOR

Board-to-board connectors



This 2.5mm (.098") pitch connector is used to interconnect printed circuit boards. It easily resists distortion during mating, thus ensuring reliable contact, even under adverse conditions.



Features

• **High contact pressure**

This vibration-resistant, double-beam contact provides high contact pressure and thus eliminates contact bounce during vibration or shock.

• **Box-shaped shroud**

The four-sided shrouded header prevents the socket housing from being misinserted or distorted during mating. The slots in the header's shroud fit snugly into the receptacle housing, guaranteeing a vibration-proof coupling. And the serrated square posts are pressure-fit to prevent flux from entering during soldering.

• **Secure locking on printed circuit boards**

The solder tails of both the plug and receptacle have board retention features. This ensures secure mounting and accurate location during soldering.

• **Vertical, horizontal and parallel mounting**

Both top-entry and side-entry receptacles and shrouded headers are available, thus allowing printed circuit boards to be connected vertically, horizontally or parallel to the mother board.

• **Interchangeability**

The shrouded header is interchangeable with the XH wire-to-board crimp style connectors, the NR, NRD and BR wire-to-board insulation displacement connectors.

Specifications

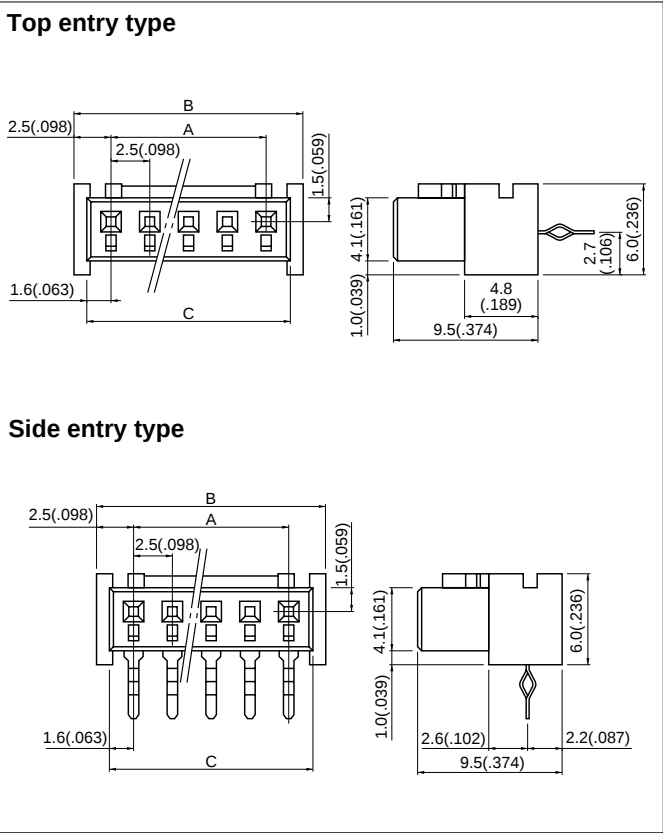
- Current rating: 3A AC, DC
 - Voltage rating: 250V AC, DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance: Initial value/10m Ω max.
After environmental testing/20m Ω max.
 - Insulation resistance: 1,000M Ω min.
 - Withstanding voltage: 1,000V AC/minute
 - Applicable PC board thickness: 1.6mm(.063")
- * Contact JST for details.

Standards

- 0 Recognized E60389
- 1 Certified LR20812
- 2 R75085

JQ CONNECTOR

Receptacle



Cir- cuits	Model No.		Dimensions mm(in.)			Q'ty / box	
	Top entry type	Side entry type	A	B	C	Top entry type	Side entry type
3	03JQ-BT	03JQ-ST	5.0(.197)	10.0(.394)	8.2(.323)	500	500
4	04JQ-BT	04JQ-ST	7.5(.295)	12.5(.492)	10.7(.421)	500	500
5	05JQ-BT	05JQ-ST	10.0(.394)	15.0(.591)	13.2(.520)	500	500
6	06JQ-BT	06JQ-ST	12.5(.492)	17.5(.689)	15.7(.618)	500	500
7	07JQ-BT	07JQ-ST	15.0(.591)	20.0(.787)	18.2(.717)	250	250
8	08JQ-BT	08JQ-ST	17.5(.689)	22.5(.886)	20.7(.815)	200	250
9	09JQ-BT	09JQ-ST	20.0(.787)	25.0(.984)	23.2(.913)	200	250
10	10JQ-BT	10JQ-ST	22.5(.886)	27.5(1.083)	25.7(1.012)	250	250
11	11JQ-BT	11JQ-ST	25.0(.984)	30.0(1.181)	28.2(1.110)	250	250
12	12JQ-BT	12JQ-ST	27.5(1.083)	32.5(1.280)	30.7(1.209)	200	200
13	13JQ-BT	13JQ-ST	30.0(1.181)	35.0(1.387)	33.2(1.307)	200	200
15	15JQ-BT	15JQ-ST	35.0(1.378)	40.0(1.574)	38.2(1.504)	100	100

Material and Finish

Contact: Phosphor bronze, tin-plated
Housing: Nylon 66, UL94V-0, natural (white)

Note: 13JQ-BT, 13JQ-ST, 15JQ-BT & 15JQ-ST are not TÜV approved.

Shrouded header

The shrouded headers are interchangeable with the XH crimp style connectors, the NR, the NRD and the BR insulation displacement connectors.

PC board layout (viewed from soldering side)

Top entry type	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. Contact JST for details.

Assembly layout

Top entry type		Receptacle	
		Top entry type	Side entry type
Shrouded header	Top entry type B()B-XH-A		
	Side entry type S()B-XH-A-1		