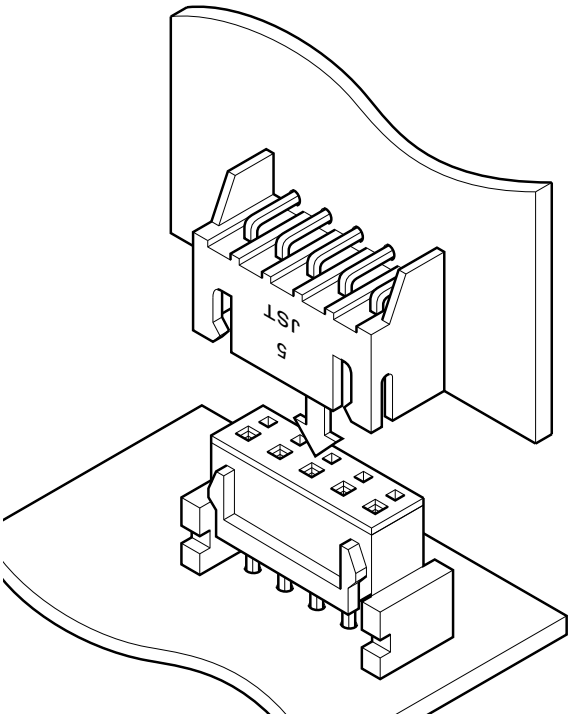


JQ CONNECTOR

2.5 mm pitch/Board-to-board connectors



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

- **High contact pressure**
- **Box-shaped shroud**
- **Secure locking on printed circuit boards**
- **Vertical, horizontal and parallel mounting**
- **Interchangeability**

Specifications

- Current rating: 3 A AC/DC
- Voltage rating: 250 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
  After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable PC board thickness: 1.6 mm

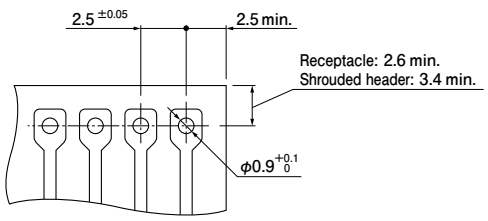
* In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

Standards

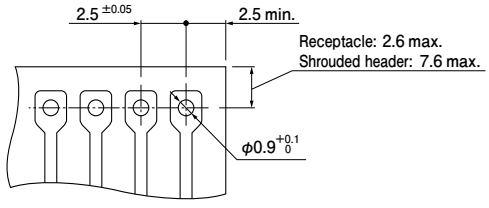
Recognized E60389
Certified LR20812
R50088587

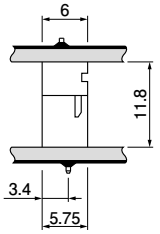
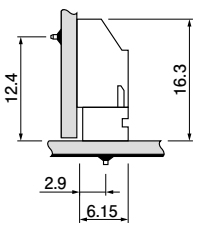
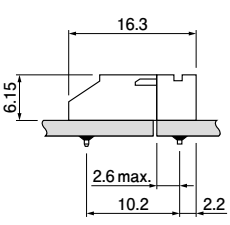
PC board layout and Assembly layout

Top entry type



Side entry type

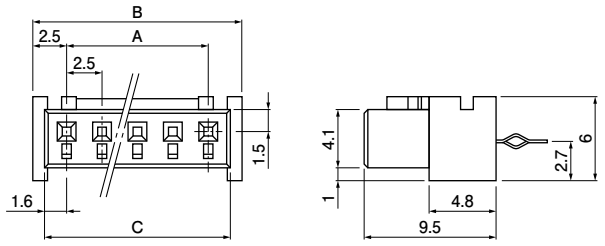


Combinations		Receptacle	
		Top entry type	Side entry type
Shrouded header	Top entry type B( )B-XH-A		—
	Side entry type S( )B-XH-A-1		

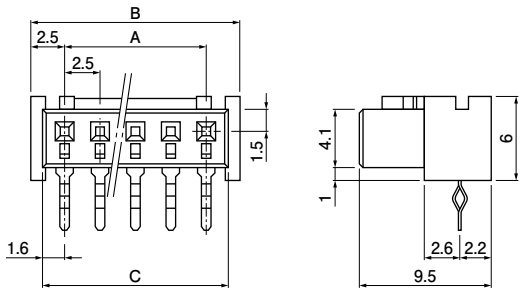
Note: 1. The above figure is the figure viewed from soldering side.
2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
3. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Receptacle

Top entry type



Side entry type



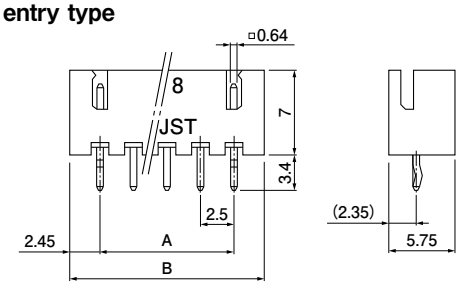
No. of circuits	Model No.		Dimensions (mm)			Q'ty/box	
	Top entry type	Side entry type	A	B	C	Top entry type	Side entry type
3	03JQ-BT	03JQ-ST	5.0	10.0	8.2	500	500
4	04JQ-BT	04JQ-ST	7.5	12.5	10.7	500	500
5	05JQ-BT	05JQ-ST	10.0	15.0	13.2	500	500
6	06JQ-BT	06JQ-ST	12.5	17.5	15.7	500	500
7	07JQ-BT	07JQ-ST	15.0	20.0	18.2	250	250
8	08JQ-BT	08JQ-ST	17.5	22.5	20.7	200	250
9	09JQ-BT	09JQ-ST	20.0	25.0	23.2	200	250
10	10JQ-BT	10JQ-ST	22.5	27.5	25.7	250	250
11	11JQ-BT	11JQ-ST	25.0	30.0	28.2	250	250
12	12JQ-BT	12JQ-ST	27.5	32.5	30.7	200	200
13	13JQ-BT	13JQ-ST	30.0	35.0	33.2	200	200
15	15JQ-BT	15JQ-ST	35.0	40.0	38.2	100	100

Material and Finish
Contact: Phosphor bronze, tin-plated (reflow treatment) Housing: PA 66, UL94V-0, natural

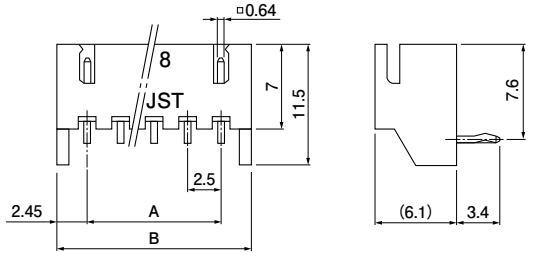
RoHS2 compliance

Shrouded header

Top entry type



Side entry type



No. of circuits	Model No.		Dimensions (mm)		Q'ty/box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
3	B3B-XH-A	S3B-XH-A-1	5.0	9.9	1,000	1,000
4	B4B-XH-A	S4B-XH-A-1	7.5	12.4	500	500
5	B5B-XH-A	S5B-XH-A-1	10.0	14.9	500	500
6	B6B-XH-A	S6B-XH-A-1	12.5	17.4	500	500
7	B7B-XH-A	S7B-XH-A-1	15.0	19.9	500	250
8	B8B-XH-A	S8B-XH-A-1	17.5	22.4	500	250
9	B9B-XH-A	S9B-XH-A-1	20.0	24.9	500	250
10	B10B-XH-A	S10B-XH-A-1	22.5	27.4	250	250
11	B11B-XH-A	S11B-XH-A-1	25.0	29.9	250	250
12	B12B-XH-A	S12B-XH-A-1	27.5	32.4	250	200
13	B13B-XH-A	S13B-XH-A-1	30.0	34.9	250	200
14	B14B-XH-A	S14B-XH-A-1	32.5	37.4	250	200
15	B15B-XH-A	S15B-XH-A-1	35.0	39.9	250	200

Material and Finish
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)

RoHS2 compliance This product displays (LF)(SN) on a label.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

JST:

BM02B-NSHSS-TBT BM02B-NSHSS-TBT (LF)(SN) CZHR-14V-S PSIP-10V-LE S02B-XASS-1 SMP-10V-NC
04P-SJN PUDP-34V-S SJ2M-01GF-M1.0N SM09B-ZESS-TB (LF)(SN) WC-491 8P-SAN HLP-03V
SMR-02V-B ELR-04V XADRP-18V SRC-51T-M4 BM24B-ZPDSS-TF (LF)(SN) SJWPST-21T-M1.0N
PAP-16V-S S7B-PH-K-S(LF)(SN) SFKR-02V-S SM08B-NSHSS-TB(LF)(SN) SMR-10V-N XARP-05V
XMR-02V 04JQ-BT RF-H102TD-1130 VLS-03V XMS-03V