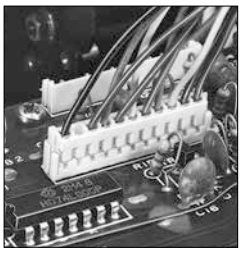
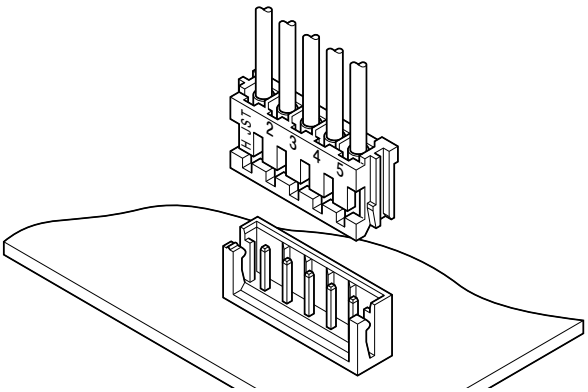


EH CONNECTOR

Radial Tape

2.5 mm pitch/Disconnectable Crimp style connectors



This, the thinnest, 2.5 mm pitch connector, is 8.1 mm in height after mounting and 3.8 mm in width. It is designed to meet the demand for the high-density connection of internal wires to printed circuit boards. It is compact, highly reliable and low in cost.

- **Compact and slim**
- **Highly reliable contact**
- **Polarizing guides**
- **Easy and effective crimping**

Specifications

- Current rating: 3 A AC/DC (AWG #22)
- 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: 800 VAC/minute
- Applicable wire: AWG #32 to #22
- Applicable PC board thickness: 0.8 to 1.6 mm

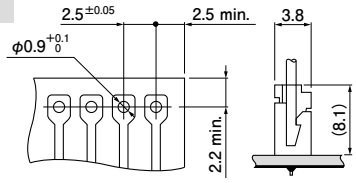
* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

Standards

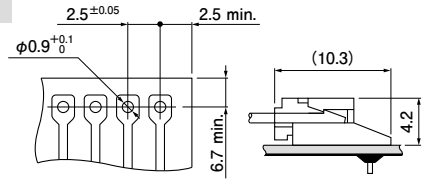
Recognized E60389
Certified LR20812
R50082349

PC board layout and Assembly layout

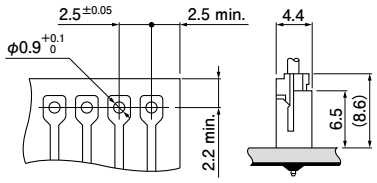
Top entry type



Side entry type

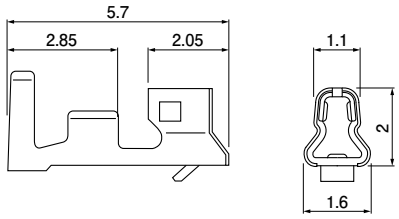


Radial-tape



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 dimension differ according to the type of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG #		
SEH-001T-P0.6	0.05 to 0.33	30 to 22	1.0 to 1.9	9,000
***SEH-001T-P0.6L**	0.13 to 0.33	26 to 22	0.9 to 1.9	
***SEH-002T-P0.6L**	0.05 to 0.13	30 to 26	0.9 to 1.3	
***SEH-003T-P0.6L**	0.032 to 0.08	32 to 28	0.5 to 1.1	10,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

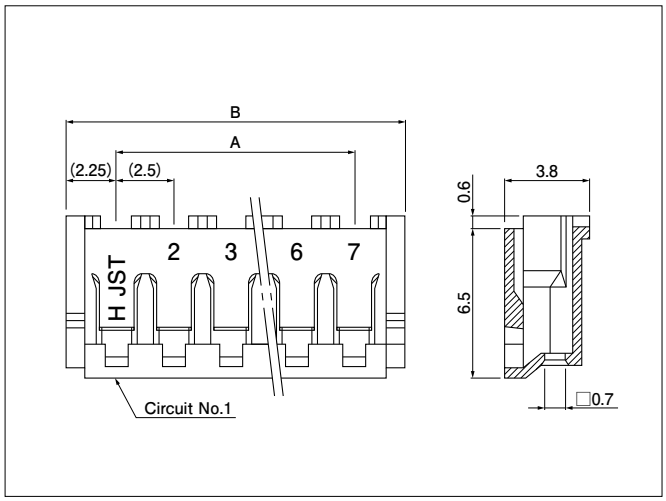
RoHS2 compliance
Note: 1. Contact JST for gold-plated products.
2. SEH-00( )T-P0.6L is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration. The crimp height is different from the standard contact.
3. *Marked products are not TÜV approved.
4. Contact JST for details.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SEH-001T-P0.6	AP-K2N	MKS-L	MK/SEH-001-06	APLMK SEH001-06
SEH-001T-P0.6L			MK/SEH-001-06L	APLMK SEH001-06L
SEH-002T-P0.6L			MK/SEH-002-06L	APLMK SEH002-06L
SEH-003T-P0.6L		MKS-L-10	MK/SEH-003-06L	APLMK SEH003-06L

Note: Contact JST for fully automatic crimping applicator.

EH CONNECTOR

Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
2	**EHR-2**	2.5	7.0	1,000
3	**EHR-3**	5.0	9.5	1,000
4	**EHR-4**	7.5	12.0	1,000
5	**EHR-5**	10.0	14.5	1,000
6	**EHR-6**	12.5	17.0	1,000
7	**EHR-7**	15.0	19.5	1,000
8	**EHR-8**	17.5	22.0	1,000
9	**EHR-9**	20.0	24.5	1,000
10	**EHR-10**	22.5	27.0	1,000
11	**EHR-11**	25.0	29.5	1,000
12	**EHR-12**	27.5	32.0	1,000
13	**EHR-13**	30.0	34.5	1,000
14	**EHR-14**	32.5	37.0	1,000
15	**EHR-15**	35.0	39.5	1,000

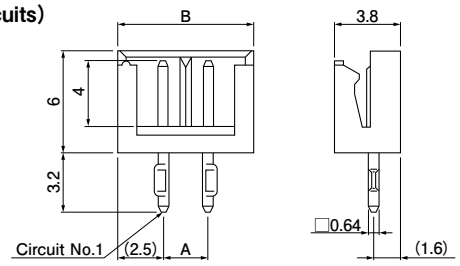
Material and Finish
PA 66, UL94V-0, natural (white)

RoHS2 compliance

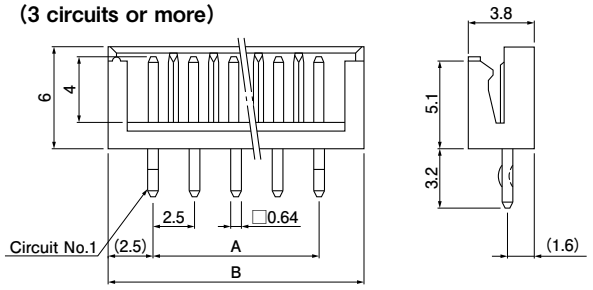
Header

Top entry type

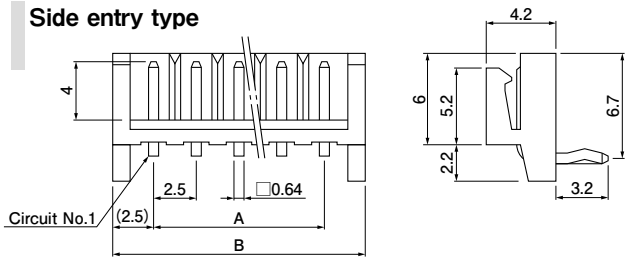
(2 circuits)



(3 circuits or more)



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
2	**B2B-EH**	**S2B-EH**	2.5	7.5	1,000	1,000
3	**B3B-EH**	**S3B-EH**	5.0	10.0	1,000	1,000
4	**B4B-EH**	**S4B-EH**	7.5	12.5	1,000	1,000
5	**B5B-EH**	**S5B-EH**	10.0	15.0	1,000	1,000
6	**B6B-EH**	**S6B-EH**	12.5	17.5	1,000	500
7	**B7B-EH**	**S7B-EH**	15.0	20.0	1,000	500
8	**B8B-EH**	**S8B-EH**	17.5	22.5	500	500
9	**B9B-EH**	**S9B-EH**	20.0	25.0	500	500
10	**B10B-EH**	**S10B-EH**	22.5	27.5	500	500
11	**B11B-EH**	**S11B-EH**	25.0	30.0	500	250
12	**B12B-EH**	**S12B-EH**	27.5	32.5	500	250
13	**B13B-EH**	**S13B-EH**	30.0	35.0	250	250
14	**B14B-EH**	**S14B-EH**	32.5	37.5	250	250
15	**B15B-EH**	**S15B-EH**	35.0	40.0	250	250

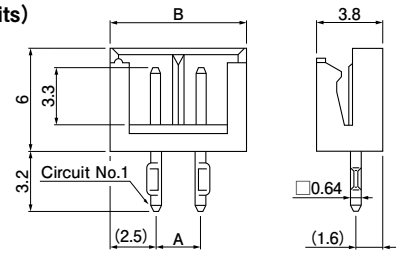
Material and Finish
Post: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)

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

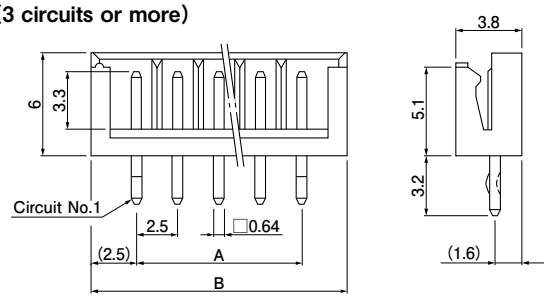
Header

● **EH-A header**

(2 circuits)



(3 circuits or more)



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	**B2B-EH-A**	2.5	7.5	1,000
3	**B3B-EH-A**	5.0	10.0	1,000
4	**B4B-EH-A**	7.5	12.5	1,000
5	**B5B-EH-A**	10.0	15.0	1,000
6	**B6B-EH-A**	12.5	17.5	1,000
7	**B7B-EH-A**	15.0	20.0	1,000
8	**B8B-EH-A**	17.5	22.5	500
9	**B9B-EH-A**	20.0	25.0	500
10	**B10B-EH-A**	22.5	27.5	500
11	**B11B-EH-A**	25.0	30.0	500
12	**B12B-EH-A**	27.5	32.5	500
13	**B13B-EH-A**	30.0	35.0	250
14	**B14B-EH-A**	32.5	37.5	250
15	**B15B-EH-A**	35.0	40.0	250

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

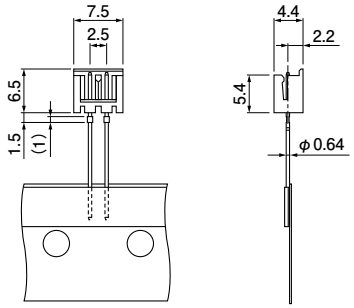
RoHS2 compliance This product displays (LF)(SN) on a label.

Note: 1. The length of the post is different between the EH-A header and the EH header.
2. The EH-A header has a post length of 3.3 mm on the header, and it provides easy insertion operation when mating with socket.

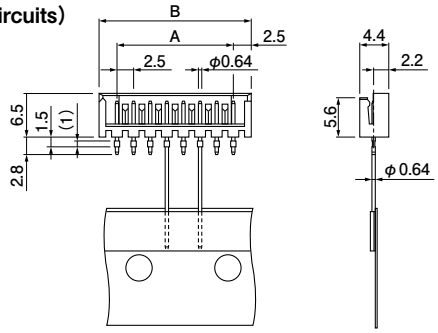
Header on radial-tape

● **TS type**

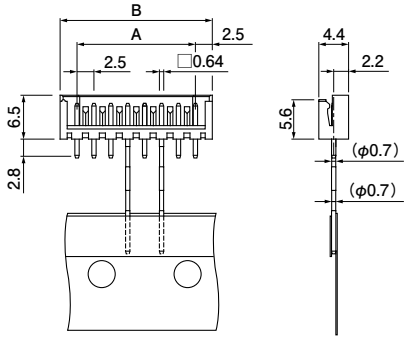
(2 circuits)



(3 to 8 circuits)



● **TV4 type**

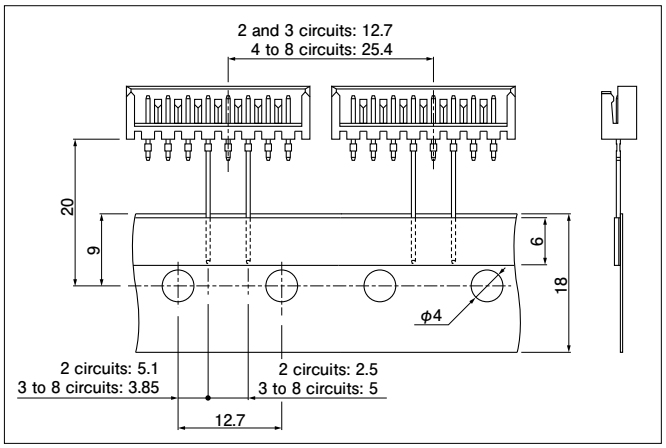


No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	TS type	TV4 type	A	B	
2	**B2B-EH-TS**	—	—	—	1,400
3	**B3B-EH-TS**	**B3B-EH-TV4**	5.0	10.0	1,400
4	**B4B-EH-TS**	**B4B-EH-TV4**	7.5	12.5	700
5	**B5B-EH-TS**	**B5B-EH-TV4**	10.0	15.0	700
6	**B6B-EH-TS**	**B6B-EH-TV4**	12.5	17.5	700
7	**B7B-EH-TS**	**B7B-EH-TV4**	15.0	20.0	700
8	**B8B-EH-TS**	**B8B-EH-TV4**	17.5	22.5	700

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

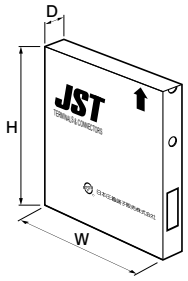
RoHS2 compliance This product displays (LF)(SN) on a label.

Taping specifications

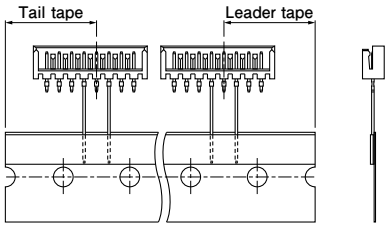


Note: Conforms to JIC C 0806 of "Tape packaging of components with unidirectional leads on continuous tapes".

Packaging specifications



Distance between the end of the tape and the first connector's center line (either end)



Package type		Flat pack (zigzag folded)
Distance between folds		24 indexing holes per fold (304.8 mm)
Box size		316(W)×45(D)×330(H)mm
Distance between the end of the tape and the first connector's center line (either end)		19.05 mm
Quantity	2, 3 circuits	1,400 pcs./box
	4 to 8 circuits	700 pcs./box

Note: Products of different packaging specifications are also available. Contact JST for details.

Model number allocation

Contact

S EH - 001 T - P 0.6 □

- Form: S···Strip form, B···Loose piece
- Series name
- Applicable wire range:
  - Normal type 001···AWG #30 to #22
  - Low insertion force type 001···AWG #26 to #22
    002···AWG #30 to #26
    003···AWG #32 to #28
- Surface finish: T···Tin-plated (reflow treatment)
- Material: P···Phosphor bronze
- Terminal size
- Type name: None···Normal type, N···Low insertion force type

Housing

EH R - 2 - □

- Series name
- Part name: Receptacle
- No. of circuits: 2 to 15
- Color: None···Natural (White), K···Black, R···Red, TR···Tomato red, E···Blue, Y···Yellow, L···Lemon yellow, M···Green, O···Orange, N···Brown, PL···Purple, PK···Pink, H···Gray, LE···Light blue, FY···Fluorescent yellow

Header

B 2 B - EH - □ □

- Shape of assembled product: B···Top entry type, S···Side entry type
- No. of circuits: 2 to 15
- Part name: Header
- Series name
- Lead length: None···3.2 mm, 2.2···2.2 mm
- Color: None···Natural (White), K···Black, R···Red, TR···Tomato red, E···Blue, Y···Yellow, L···Lemon yellow, M···Green, O···Orange, N···Brown, P···Purple, PK···Pink, H···Gray, LE···Light blue, FY···Fluorescent yellow

Header

B 2 B - EH - A - □

- Shape of assembled product: B···Top entry type
- No. of circuits: 2 to 15
- Part name: Header
- Series name
- Post length: A···3.3 mm
- Color: None···Natural (White), K···Black, R···Red, E···Blue, Y···Yellow, M···Green

Header (Pin/Post) on radial-tape

B 2 B - EH - T S - □

- Shape of assembled product: B···Top entry type
- No. of circuits: 2 to 8
- Part name: Header
- Series name
- Packaging style: T···Radial-taping
- Taping Pin/Post specifications:
  - S···Whole post/pin has a round cross section
  - V4···Make the square post/pin partially round cross section
- Color: None···Natural (White), K···Black, R···Red, E···Blue, Y···Yellow, M···Green, N···Brown