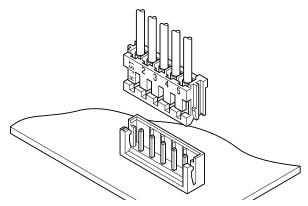


# EH CONNECTOR



## 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°C to +85°C

(including temperature rise in applying

electrical current)

Contact resistance: Initial value/ 10 mΩ max.

After environmental tests/ 20 m $\Omega$  max.

- Insulation resistance: 1,000 M $\Omega$  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.

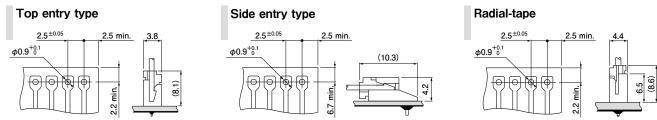
## Standards -

Recognized E60389

⊕ Certified LR20812

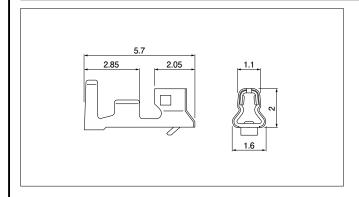
△ R50082349

#### PC board layout and Assembly layout



- Note: 1. The above figure is the figure viewed from soldering side.
  - 2. Tolerances are non-cumulative:  $\pm$  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.	Applica	ble wire	ire Insulation O.D.	
woder No.	mm <sup>2</sup>	AWG #	(mm)	reel
SEH-001T-P0.6	0.05 to 0.33	30 to 22	1.0 to 1.9	
*SEH-001T-P0.6L	0.13 to 0.33	26 to 22	0.9 to 1.9	9,000
*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.

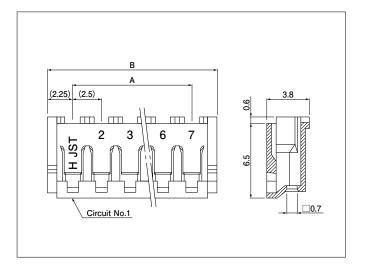
- SEH-00()T-P0.6L is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration. The crimp height is different from the standard contact.
- 3. \*Marked products are not TÜV approved.
- 4. Contact JST for details.

Contact		Applicator			
Contact	machine	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



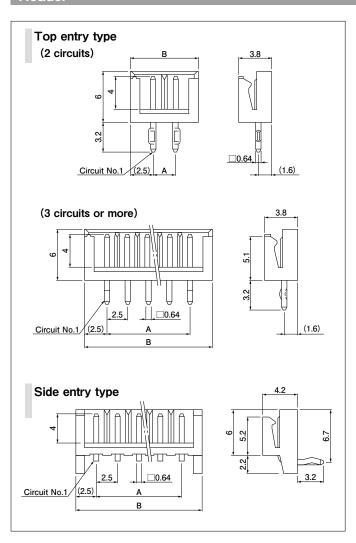
No. of	Model No.	Dimensio	Q'ty/	
circuits	Wiodel No.	Α	В	bag
2	EHR-2	2.5	7.0	2,000
3	EHR-3	5.0	9.5	2,000
4	EHR-4	7.5	12.0	2,000
5	EHR-5	10.0	14.5	2,000
6	EHR-6	12.5	17.0	2,000
7	EHR-7	15.0	19.5	1,000
8	EHR-8	17.5	22.0	1,000
9	EHR-9	20.0	24.5	1,000
10	EHR-10	22.5	27.0	1,000
11	EHR-11	25.0	29.5	1,000
12	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



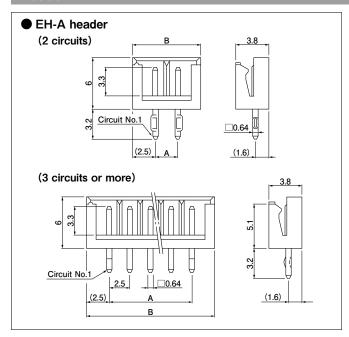
No. of	Model No.		Dimensions (mm)		Q'ty/box	
circuits	Top entry type	Side entry type	Α	В	Top entry type	Side entry type
2	B2B-EH	S2B-EH	2.5	7.5	1,000	1,000
3	взв-ен	S3B-EH	5.0	10.0	1,000	1,000
4	B4B-EH	S4B-EH	7.5	12.5	1,000	1,000
5	B5B-EH	S5B-EH	10.0	15.0	1,000	1,000
6	B6B-EH	S6B-EH	12.5	17.5	1,000	500
7	В7В-ЕН	S7B-EH	15.0	20.0	1,000	500
8	B8B-EH	S8B-EH	17.5	22.5	500	500
9	В9В-ЕН	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)

 $\label{localization} \textbf{RoHS2 compliance} \quad \text{This product displays (LF)(SN) on a label.}$ 

## Header



No. of	No. of Model No.		ns (mm)	0'4/b	
circuits	Model No.	Α	В	Q'ty/box	
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	

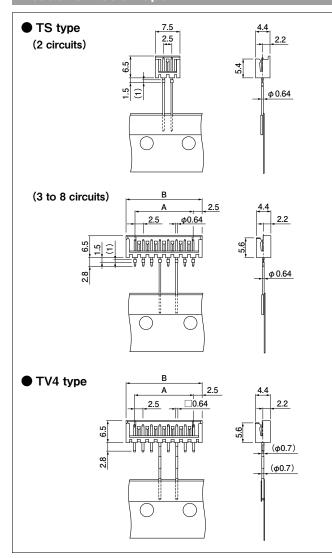
#### Material and Finish

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



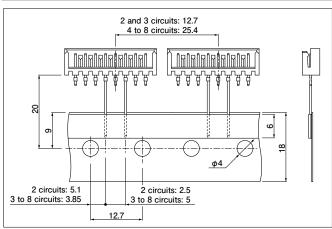
No. of Model No.		el No.	Dimensions (mm)		Q'ty/
circuits	ıits TS type TV4 type		Α	В	box
2	B2B-EH-TS	-	_		1,400
3	B3B-EH-TS	B3B-EH-TV4	5.0	10.0	1,400
4	B4B-EH-TS	B4B-EH-TV4	7.5	12.5	700
5	B5B-EH-TS	B5B-EH-TV4	10.0	15.0	700
6	B6B-EH-TS	B6B-EH-TV4	12.5	17.5	700
7	B7B-EH-TS	B7B-EH-TV4	15.0	20.0	700
8	B8B-EH-TS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

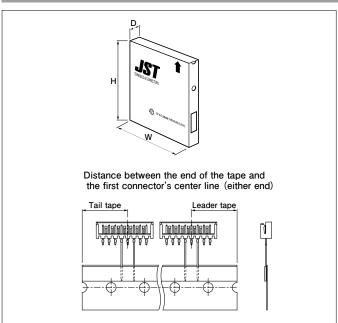
## Taping specifications



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

# **EH CONNECTOR**

## Packaging specifications

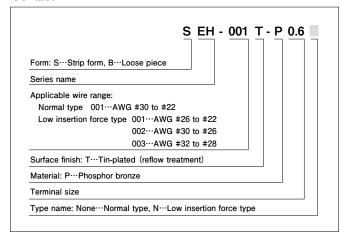


Package type		Flat pack (zigzag folded)	
Distance between folds		24 indexing holes per fold (304.8 mm)	
Box size		316(W) ×45(D) ×330(H) mm	
Distance between the end of the tape and the first connector's center line (either end)		19.05 mm	
Occantitu	2, 3 circuits	1,400 pcs./box	
Quantity	4 to 8 circuits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

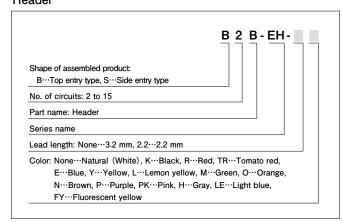
Note: Products of different packaging specifications are also available. Contact JST for details.

## Model number allocation

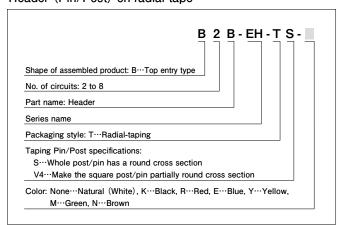
#### Contact



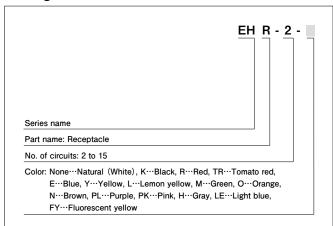
### Header



## Header (Pin/Post) on radial-tape



#### Housing



#### Header

