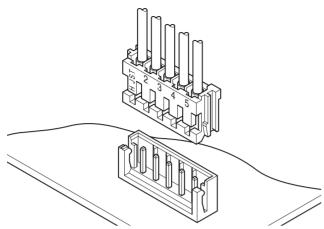


# EH CONNECTOR



# 2.5mm pitch/Disconnectable Crimp style connectors



This, the thinnest, 2.5mm pitch connector, is 8.1mm in height after mounting and 3.8mm 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: 3A AC, DC (AWG #22) • Voltage rating: 250V AC, DC

• Temperature range: -25°C to +85°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/10m  $\Omega$  max.

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

• Insulation resistance: 1,000M  $\Omega$  min. • Withstanding voltage: 800V AC/minute

• Applicable wire: AWG #32 to #22

• Applicable PC board thickness: 0.8 to 1.6mm

\* Compliant with RoHS.

\* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

\* Contact JST for details.

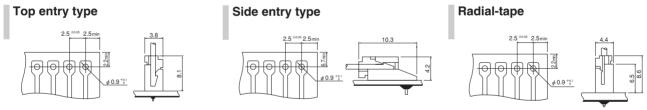
## Standards -

Recognized E60389

© Certified LR20812

△ R50082349

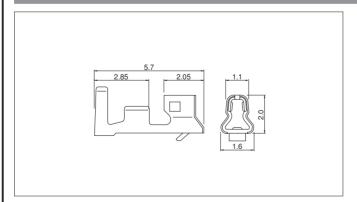
# PC board layout (viewed from soldering side) and Assembly layout



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

2. Hole dimension differ according to the kind 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



Contact	Crimping	Applicator			
	machine	Crimp applicator	Dies	Crimp applicator with dies	
SEH-001T-P0.6		MKS-LS • MKS-L	MK/SEH-001-06	APLMK SEH001-06	
	AP-K2N	*MKS-SC SC/SEH-001-06	APLSC SEH001-06		
SEH-001T-P0.6L		MKS-LS · MKS-L	MK/SEH-001-06L	APLMK SEH001-06L	
		*MKS-SC	SC/SEH-001-06L	APLSC SEH001-06L	

Note: \*Strip-crimp applicator

Model No.	Applica	ble wire	Insulation O.D.	Q'ty /	
Wodel No.	mm <sup>2</sup>	AWG#	(mm)	reel	
SEH-001T-P0.6	0.05 ~0.33	30~22	1.0~1.9		
*SEH-001T-P0.6L	0.13 ~0.33	26~22	0.9~1.9	9,000	
*SEH-002T-P0.6L	0.05 ~0.13	30~26	0.9~1.3		
*SEH-003T-P0.6L	0.032~0.08	32~28	0.5~1.1	10,000	

#### Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

#### RoHS compliance

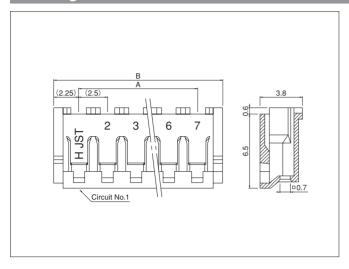
Note: 1. Contact JST for gold-plated products.

- 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	Crimping		Applicator	
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies
SEH-002T-P0.6L	AP-K2N	MKS-LS · MKS-L	MK/SEH-002-06L	APLMK SEH002-06L
SEN-0021-P0.6L		_	_	_
SEH-003T-P0.6L	AI -NZIN	MKS-L-10	MK/SEH-003-06L	APLMK SEH003-06L
		*MKS-SC-10	SC/SEH-003-06L	APLSC SEH003-06L

# **EH CONNECTOR**

### Housing



Circuits	Mandal Nin	Dimension	Dimensions (mm)		
	Model No.	А	В	Q'ty / bag	
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 PA 66, UL94V-0, natural (white)

#### RoHS compliance

<For reference> As the color identification.

or reference — As the color identification; the following alphabet shall be put in the underlined part.

For availability, delivery and minimum order quantity, contact JST.

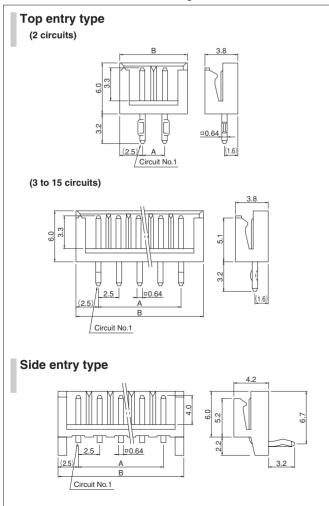
#### ex. EHR-2-00

(blank)...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...vivid yellow

# Shrouded header

The shrouded headers are interchangeable with those of the HR crimp style and insulation displacement connectors.



	Model No.		Dimensions (mm)		Q'ty / box	
Circuits	Top entry type	Side entry type	А	В	Top entry type	Side entry type
2	B2B-EH-A	S2B-EH	2.5	7.5	1,000	1,000
3	ВЗВ-ЕН-А	S3B-EH	5.0	10.0	1,000	1,000
4	B4B-EH-A	S4B-EH	7.5	12.5	1,000	1,000
5	B5B-EH-A	S5B-EH	10.0	15.0	1,000	1,000
6	B6B-EH-A	S6B-EH	12.5	17.5	1,000	500
7	В7В-ЕН-А	S7B-EH	15.0	20.0	1,000	500
8	B8B-EH-A	S8B-EH	17.5	22.5	500	500
9	В9В-ЕН-А	S9B-EH	20.0	25.0	500	500
10	B10B-EH-A	S10B-EH	22.5	27.5	500	500
11	B11B-EH-A	S11B-EH	25.0	30.0	500	250
12	B12B-EH-A	S12B-EH	27.5	32.5	500	250
13	B13B-EH-A	S13B-EH	30.0	35.0	250	250
14	B14B-EH-A	S14B-EH	32.5	37.5	250	250
15	B15B-EH-A	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)

RoHS compliance This product displays (LF)(SN) on a label. Note: Also available and identified as model BxxB-EH is a top entry type having a post extension length of 4.0mm

As the color identification,

the following alphabet shall be put in the underlined part.

For availability, delivery and minimum order quantity, contact JST.

<Top entry type>

#### ex. **B2B-EH-A-**<u>oo</u>

(blank)...natural (white)

K...black R...red E...blue Y...yellow M...green

<Side entry type>

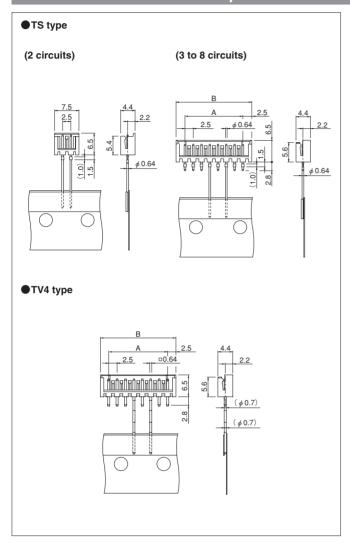
# ex. S2B-EH-oo

(blank)...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...vivid yellow

# **EH CONNECTOR**

## Shrouded header on radial-tape



Circuits	Mode	Dimensions (mm)		Q'ty /	
Circuits	TS type	TV4 type	Α	В	bóx
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)

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

<For reference> As the color identification,

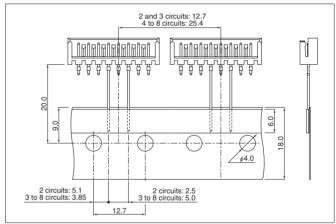
the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

#### ex. B2B-EH-TS-oo

(blank)...natural (white)

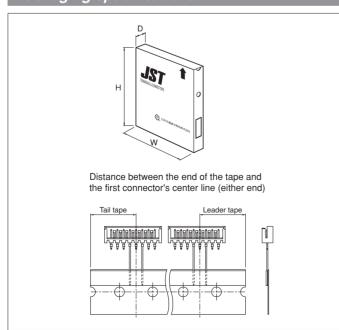
K...black R...red E...blue Y...yellow M...green N...brown

# Taping specifications



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

# Packaging specifications



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

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