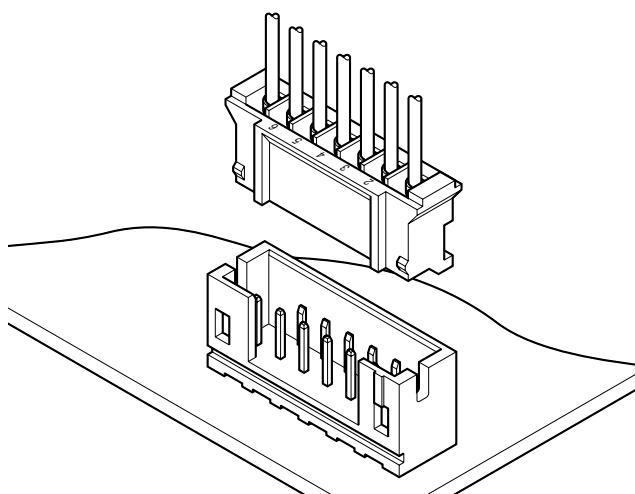


PH CONNECTOR

2.0mm pitch/Disconnectable Crimp style connectors

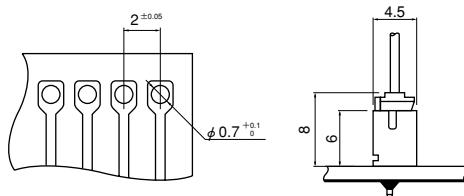


This is a thin, low-profile 2.0mm pitch connector 8.0mm in height after mounting and 4.5mm in width. It is designed to meet the demand for high-density connection of internal wires to printed circuit boards. It is compact, highly reliable and low in cost.

- Reliable contact
- Fully shrouded header
- Printed circuit board retention mechanism
- Surface mount model (SMT)

〈Through-hole type (viewed from soldering side)〉

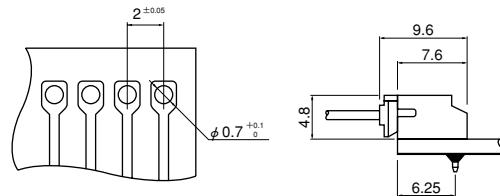
Top entry type



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

2. Hole dimensions 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.

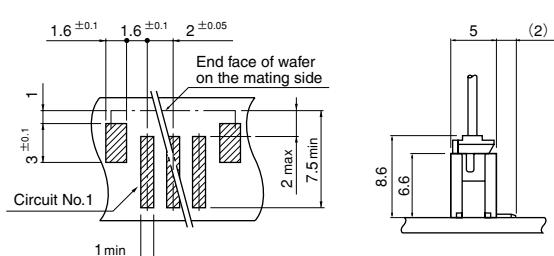
Side entry type



〈SMT type (viewed from component side)〉

SM4 type

Top entry type

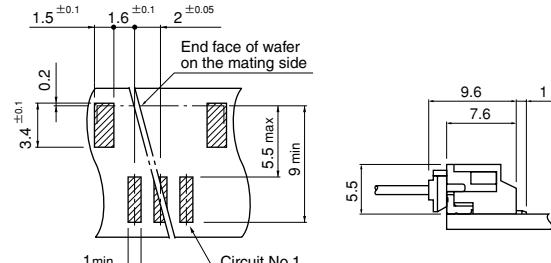


Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

2. The dimensions above should serve as a guideline. Contact JST for details.

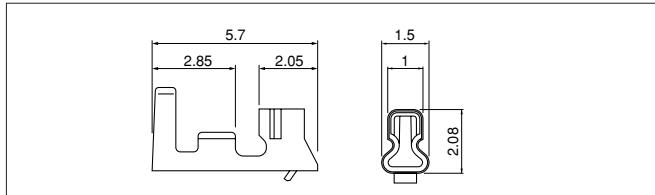
SM4 type

Side entry type



PH CONNECTOR

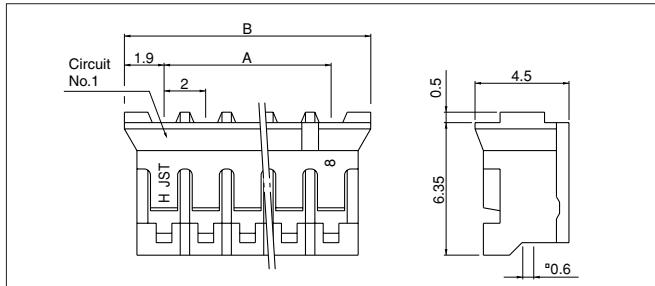
Contact



Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SPH-002T-P0.5S	AP-K2N	MKS-L	MK/SPH-002-05S	APLMK SPH002-05S
		*MKS-SC	SC/SPH-002-05S	APLSC SPH002-05S
		MKS-L	MK/SPH-002-05L	APLMK SPH002-05L
		*MKS-SC	SC/SPH-002-05L	APLSC SPH002-05L
		MKS-L-10	MK/SPH-004-05S	APLMK SPH004-05S
		*MKS-SC-10	SC/SPH-004-05S	APLSC SPH004-05S

Note: *Strip-crimp applicator

Housing

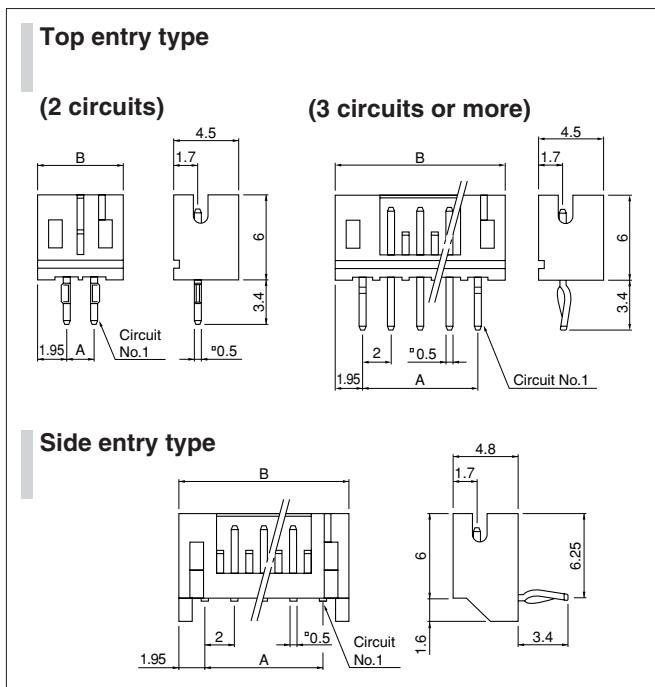


<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. **PHR-2-00**

(blank)...natural (white)
 BK...black R...red TR...tomato red BL...blue Y...yellow
 L...lemon yellow M...green D...orange N...brown
 P...purple PK...pink H...gray LE...light blue
 FY...vivid yellow DPK...dark pink

Through-hole type shrouded header



Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. (mm)	
SPH-002T-P0.5S	0.05 ~ 0.22	30~24	0.9~1.5	8,000
SPH-002T-P0.5L	0.08 ~ 0.22	28~24	0.8~1.5	
SPH-004T-P0.5S	0.032~0.08	32~28	0.5~0.9	10,000

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Note:

1. Contact JST for gold-plated products.
2. SPH-002T-P0.5L 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.
3. Contact JST for details.

Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
2	PHR-2	2.0	5.8	1,000
3	PHR-3	4.0	7.8	1,000
4	PHR-4	6.0	9.8	1,000
5	PHR-5	8.0	11.8	1,000
6	PHR-6	10.0	13.8	1,000
7	PHR-7	12.0	15.8	1,000
8	PHR-8	14.0	17.8	1,000
9	PHR-9	16.0	19.8	1,000
10	PHR-10	18.0	21.8	1,000
11	PHR-11	20.0	23.8	1,000
12	PHR-12	22.0	25.8	1,000
13	PHR-13	24.0	27.8	1,000
14	PHR-14	26.0	29.8	1,000
15	PHR-15	28.0	31.8	1,000
16	PHR-16	30.0	33.8	1,000

Material

PA 66, UL94V-0, natural (white)

RoHS compliance

Circuits	Model No.	Dimensions (mm)		Q'ty / box
		Top entry type	Side entry type	
2	B2B-PH-K-S	S2B-PH-K-S	2.0	5.9
3	B3B-PH-K-S	S3B-PH-K-S	4.0	7.9
4	B4B-PH-K-S	S4B-PH-K-S	6.0	9.9
5	B5B-PH-K-S	S5B-PH-K-S	8.0	11.9
6	B6B-PH-K-S	S6B-PH-K-S	10.0	13.9
7	B7B-PH-K-S	S7B-PH-K-S	12.0	15.9
8	B8B-PH-K-S	S8B-PH-K-S	14.0	17.9
9	B9B-PH-K-S	S9B-PH-K-S	16.0	19.9
10	B10B-PH-K-S	S10B-PH-K-S	18.0	21.9
11	B11B-PH-K-S	S11B-PH-K-S	20.0	23.9
12	B12B-PH-K-S	S12B-PH-K-S	22.0	25.9
13	B13B-PH-K-S	S13B-PH-K-S	24.0	27.9
14	B14B-PH-K-S	S14B-PH-K-S	26.0	29.9
15	B15B-PH-K-S	S15B-PH-K-S	28.0	31.9
16	B16B-PH-K-S	S16B-PH-K-S	30.0	33.9

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.

<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.

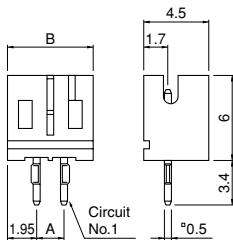
ex. **B2B-PH-K-S**

S...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 (blank)...ivory

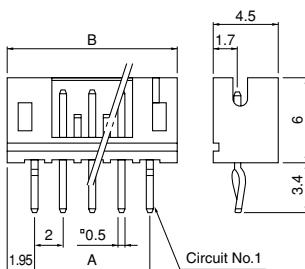
Through-hole type shrouded header <Low insertion force type>

Top entry type

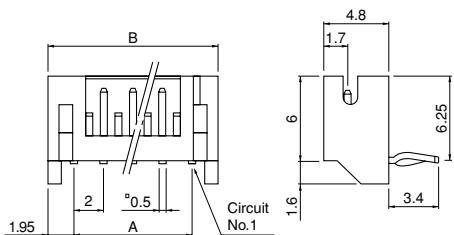
(2 circuits)



(3 circuits or more)



Side entry type



Circuits	Model No.		Dimensions (mm)		Q'ty / box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
2	B2B-PH-KL	S2B-PH-KL	2.0	5.9	1,000	1,000
3	B3B-PH-KL	S3B-PH-KL	4.0	7.9	1,000	1,000
4	B4B-PH-KL	S4B-PH-KL	6.0	9.9	1,000	500
5	B5B-PH-KL	S5B-PH-KL	8.0	11.9	1,000	500
6	B6B-PH-KL	S6B-PH-KL	10.0	13.9	1,000	500
7	B7B-PH-KL	S7B-PH-KL	12.0	15.9	500	500
8	B8B-PH-KL	S8B-PH-KL	14.0	17.9	500	250
9	B9B-PH-KL	S9B-PH-KL	16.0	19.9	500	250
10	B10B-PH-KL	S10B-PH-KL	18.0	21.9	500	250
11	B11B-PH-KL	S11B-PH-KL	20.0	23.9	500	250
12	B12B-PH-KL	S12B-PH-KL	22.0	25.9	400	250
13	B13B-PH-KL	S13B-PH-KL	24.0	27.9	250	250
14	B14B-PH-KL	S14B-PH-KL	26.0	29.9	250	200
15	B15B-PH-KL	S15B-PH-KL	28.0	31.9	250	200
16	B16B-PH-KL	S16B-PH-KL	30.0	33.9	250	200

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, gray

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-PH-KL-oo**

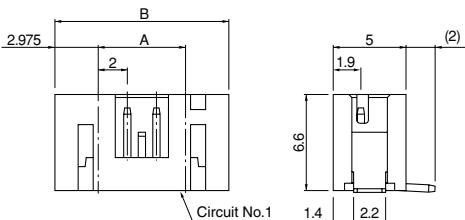
(blank)...gray

R...red E...blue M...green L...lemon yellow K...black

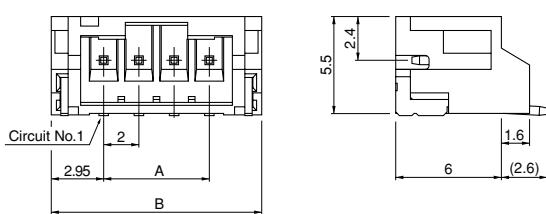
DPK...dark pink

SMT type shrouded header

Top entry type



Side entry type



Circuits	Model No.		Dimensions (mm)		Q'ty / reel	
	Top entry type	Side entry type	A	B		
2	B2B-PH-SM4-TB	S2B-PH-SM4-TB	2.0	7.95	7.9	1,000
3	B3B-PH-SM4-TB	S3B-PH-SM4-TB	4.0	9.95	9.9	1,000
4	B4B-PH-SM4-TB	S4B-PH-SM4-TB	6.0	11.95	11.9	1,000
5	B5B-PH-SM4-TB	S5B-PH-SM4-TB	8.0	13.95	13.9	1,000
6	B6B-PH-SM4-TB	S6B-PH-SM4-TB	10.0	15.95	15.9	1,000
7	B7B-PH-SM4-TB	S7B-PH-SM4-TB	12.0	17.95	17.9	1,000
8	B8B-PH-SM4-TB	S8B-PH-SM4-TB	14.0	19.95	19.9	1,000
9	B9B-PH-SM4-TB	S9B-PH-SM4-TB	16.0	21.95	21.9	1,000
10	B10B-PH-SM4-TB	S10B-PH-SM4-TB	18.0	23.95	23.9	1,000
11	B11B-PH-SM4-TB	S11B-PH-SM4-TB	20.0	25.95	25.9	1,000
12	B12B-PH-SM4-TB	S12B-PH-SM4-TB	22.0	27.95	27.9	1,000
13	B13B-PH-SM4-TB	S13B-PH-SM4-TB	24.0	29.95	29.9	1,000
14	B14B-PH-SM4-TB	S14B-PH-SM4-TB	26.0	31.95	31.9	1,000
15	B15B-PH-SM4-TB	S15B-PH-SM4-TB	28.0	33.95	33.9	1,000
16	B16B-PH-SM4-TB	—	30.0	35.95	—	1,000

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

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

Note: Contact JST for the top entry type headers with suction cap.

<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-PH-SM4-oo-TB**

(blank)...natural (ivory)

R...red E...blue M...green L...lemon yellow K...black

DPK...dark pink

AMEYA360

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