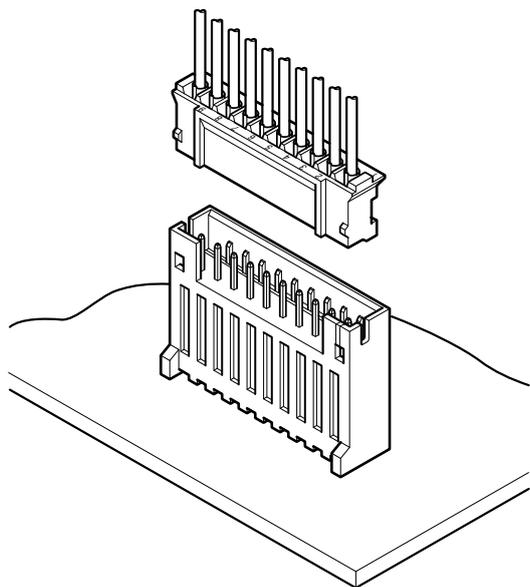




PH CONNECTOR (High box type)

2.0 mm pitch/Disconnectable Crimp style connectors



PH connector high box type, with 17 mm mounting height and with 4.5 mm thickness.

- Signal side connector is common use with the normal PH connector, and it is compatible with insulation displacement type KR connector.

Specifications

- Current rating: 2 A AC/DC (AWG #24)
- Voltage rating: 100 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 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 800 VAC/minute
- Applicable wire: AWG #30 to #24
- Applicable PC board thickness: 0.8 to 1.6 mm

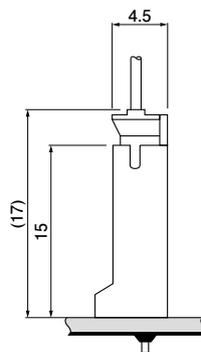
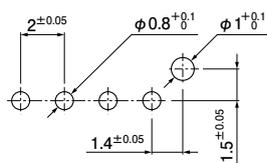
* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).

- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Standards

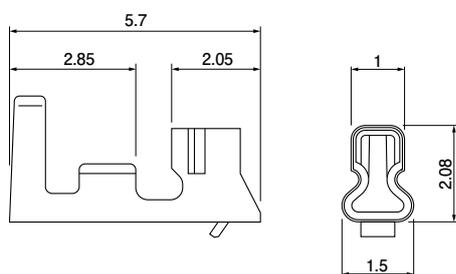
- Ⓜ Recognized E60389
- ⚠ R75087

PC board layout and Assembly layout



- Note: 1. The above figure is the figure viewed from the connector mounting side.
 2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
 3. Hole dimensions 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 hole dimensions shown above are reference values. Contact JST for details.

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/reel
	mm ²	AWG #		
SPH-002T-P0.5S	0.05 to 0.22	30 to 24	0.8 to 1.5	8,000

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

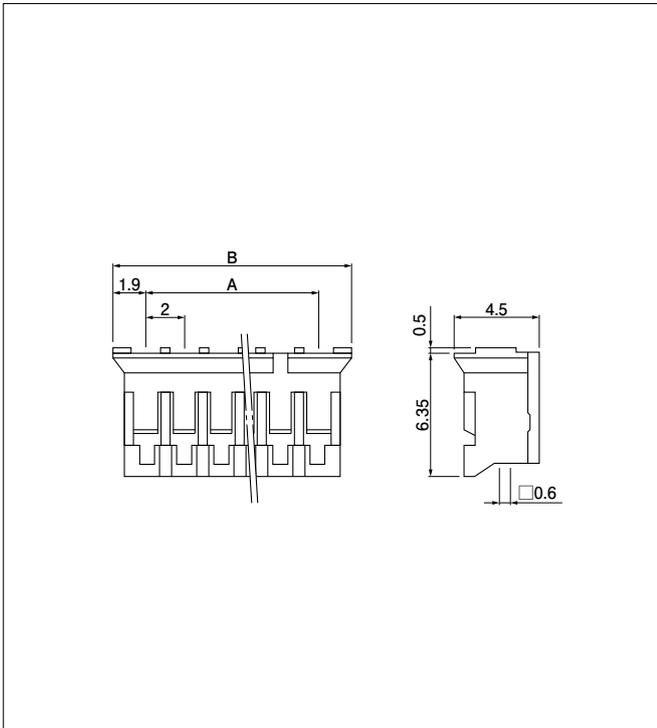
RoHS2 compliance

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

Note: Contact JST for fully automatic crimping applicator.

PH CONNECTOR (High box type)

Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	PHR-2	2.0	5.8	2,000
3	PHR-3	4.0	7.8	2,000
4	PHR-4	6.0	9.8	2,000
5	PHR-5	8.0	11.8	2,000
6	PHR-6	10.0	13.8	2,000
7	PHR-7	12.0	15.8	2,000
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

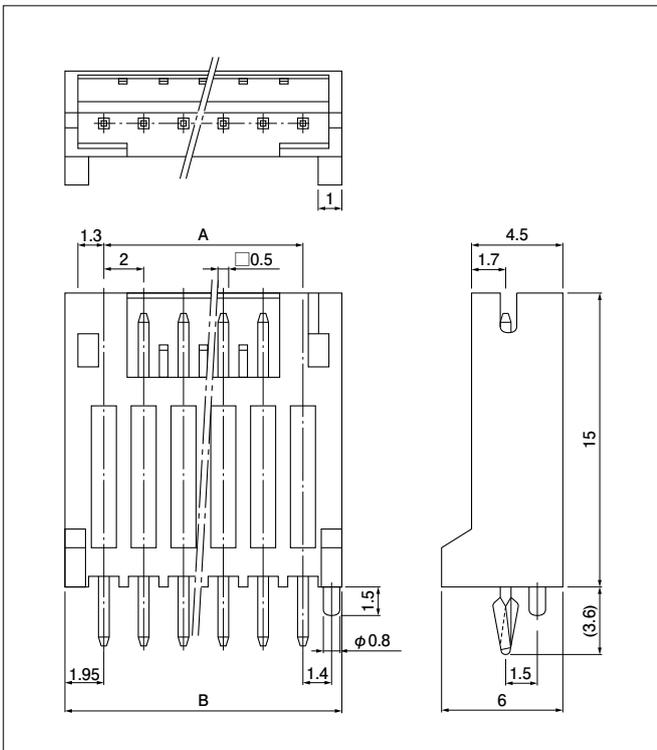
Material and Finish

PA 66, UL94V-0, natural (white)

RoHS2 compliance

<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-oo
 (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

Header



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	BH2B-PH	2.0	5.9	800
3	BH3B-PH	4.0	7.9	480
4	BH4B-PH	6.0	9.9	400
5	BH5B-PH	8.0	11.9	390
6	BH6B-PH	10.0	13.9	300
7	BH7B-PH	12.0	15.9	240
8	BH8B-PH	14.0	17.9	240
9	BH9B-PH	16.0	19.9	200
10	BH10B-PH	18.0	21.9	200
11	BH11B-PH	20.0	23.9	150
12	BH12B-PH	22.0	25.9	150
13	BH13B-PH	24.0	27.9	100

Material and Finish

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

RoHS2 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. BH2B-PH-oo
 (blank)...natural (white)
 K...black R...red E...blue Y...yellow M...green N...brown