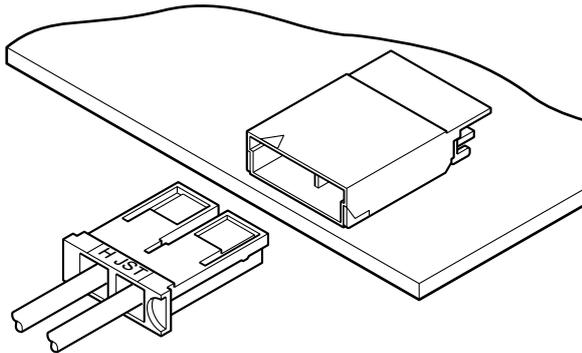


BHL CONNECTOR

2.3 mm pitch/ Disconnectable Crimp style connectors



This is wire-to-board connector for LCD backlight power supply. The board occupied area is smaller than our BHS connector designed for the same purpose, and the mounting height is 13% lower than the BHS, achieving 2.8 mm.

■ Features

● Contact lance

Contact lance locking the contacts into the housing in order to ensure the performance of withstanding voltage is adopted.

● Mis-insertion prevention mechanism and locking mechanism

Reverse insertion prevention ribs are provided on both sides of the housing. It also has a housing lock to prevent disengagement due to irregular external forces such as vibration and shock.

■ Standards

⚡ Recognized E60389

Ⓢ Certified LR20812

■ Specifications

- Current rating: 1.0 A AC/DC (AWG #24)
- Voltage rating: 1,400 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: 3,800 VAC/minute
- Applicable wire: Conductor/ AWG #28 to #24
Insulation O. D./ 0.9 to 1.7 mm

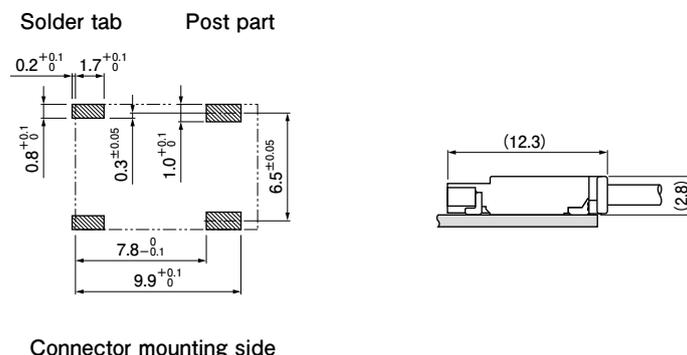
* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).

* RoHS2 compliance

* Dimensional unit: mm

* Contact JST for details.

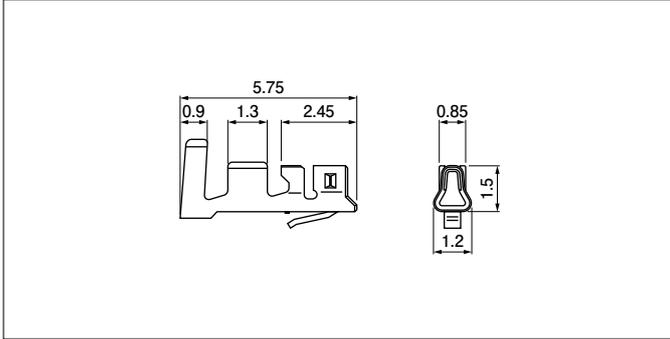
PC board layout and Assembly layout



Note: Please contact JST for details as the dimensions shown in the above figure are reference values.

BHL CONNECTOR

Contact



Model No.	Applicable wire			Q'ty/reel
	mm ²	AWG #	Insulation O.D. (mm)	
SBHL-002T-P0.5	0.08 to 0.22	28 to 24	0.9 to 1.7	10,000

Material and Finish

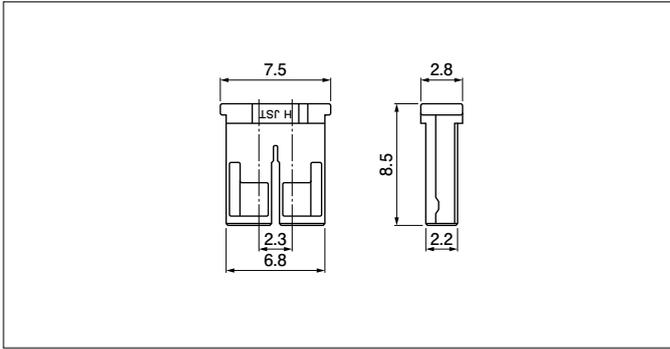
Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SBHL-002T-P0.5	AP-K2N	MKS-L	MK/SBHL-002-05	APLMK SBHL002-05

Note: Contact JST for fully automatic crimping applicator.

Housing



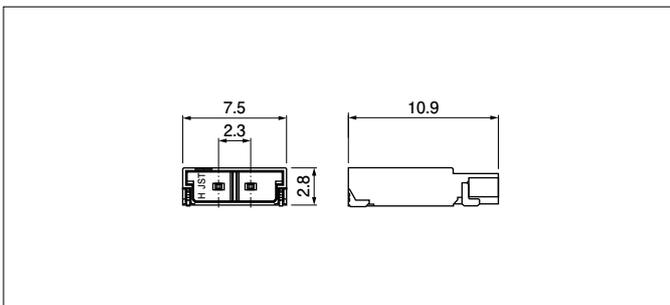
No. of circuits	Model No.	Q'ty/bag
2	BHLR-02VS	1,000

Material and Finish

Thermoplastic resin, UL94V-0, natural (white)

RoHS2 compliance

Header



No. of circuits	Model No.	Q'ty/reel
2	SM02B-BHLS-1-TB	1,500

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

Wafer: Heat resisting resin, UL94V-0, natural (ivory)

Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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

Note: The product listed above is supplied on embossed-tape.

Model number allocation

Contact

S BHL - 002 T - P 0.5

Form: S···Strip form
Series name
Applicable wire range: 002···AWG #28 to AWG #24
Surface finish: T···Tin-plated (reflow treatment)
Material: P···Phosphor bronze
Applicable post size

Housing

BHL R - 02 V S

Series name
Part name: Receptacle
No. of circuits: 2
Flammability: V···UL94V-0
Color: S···Natural (White)

Header

SM 02 B - BHLS - 1 - TB

Shape of assembled product: SM···SMT side entry type
No. of circuits: 2
Part name: Header
Series name
Color: S···Natural (Ivory)
Shape: 1···Without boss
Packaging style: TB···Embossed-taping