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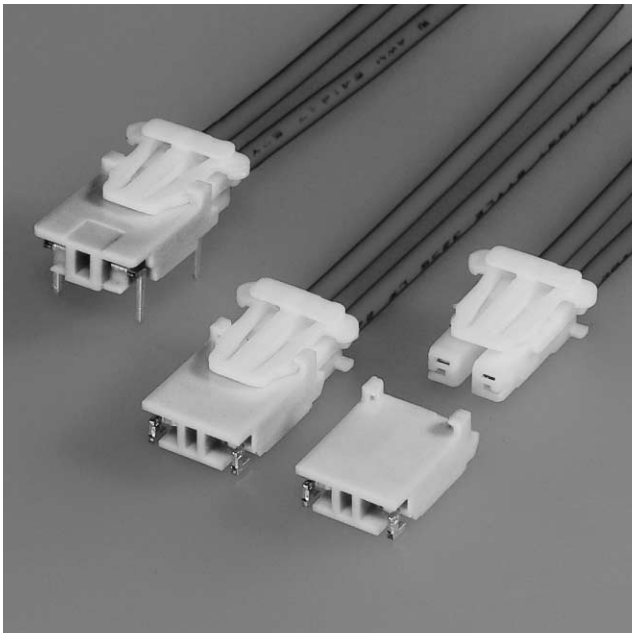
JST

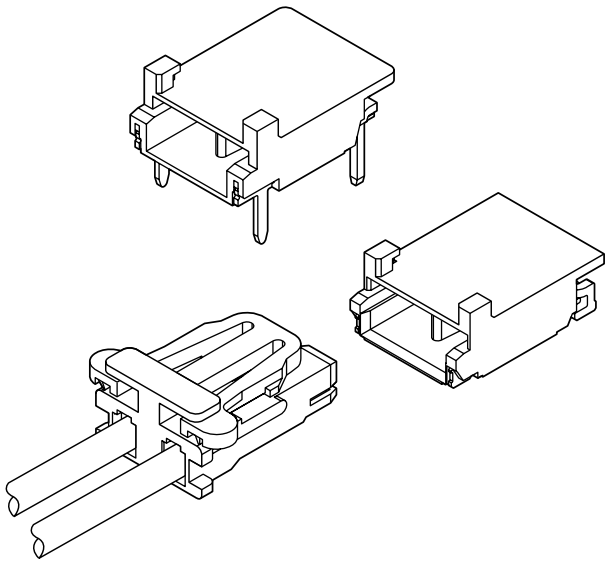
3.5mm
(.138") pitch

BD CONNECTOR 3.5mm (.138")

Disconnectable Crimp style connectors



Board-to-wire connector with high withstanding voltage, used for power supply of LCD (Liquid Crystal Display) back light.



Features

• Secure locking mechanism

Arm-locking mechanism as secure lock is adopted in order to prevent coming out housing.

• High withstand voltage design

Securing the sufficient creepage distance, it considers as high withstanding voltage design. (Conformed to IEC-60950)
When applying voltage rating, consideration of PC board pattern design is required.

• Low profile

Corresponding to thinner LCD, the connector height is designed as small and low profile.

• Compatibility

This BD connector is compatible BHS connector. Secure locking mechanism is available for BD connector header and socket only. Socket contact is same contact as BHS connector.

Specifications

- Current rating: 1.0A AC, DC (AWG #24)
- Voltage rating: 1,400V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.
  After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 3,800V AC/minute (50 to 60 Hz)
- Applicable wire: AWG #28 to #24

* Contact JST if Lead-Free product is required.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E60389

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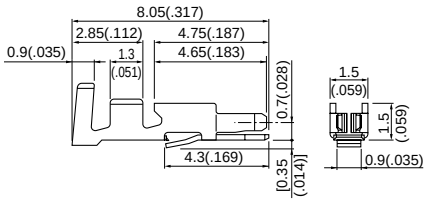
Contact

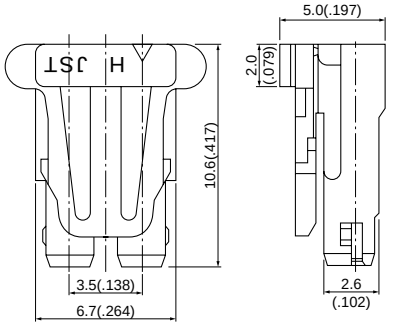


Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm²	AWG#		
SBHS-002T-P0.5A	0.08 to 0.22	28 to 24	0.9 to 1.7(.035 to .067)	10,000

Material and Finish
Phosphor bronze, tin-plated

Note: Contact JST for SBHS-002T-P0.5.

Housing

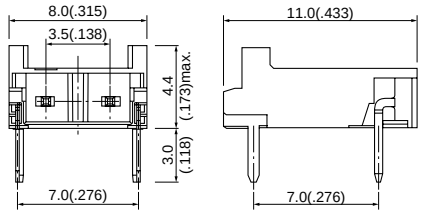


Circuits	Model No.	Q'ty / bag
2	**BDMR-02VS-1**	1,000

Material
Nylon 66, UL94V-0, natural (white)

Header

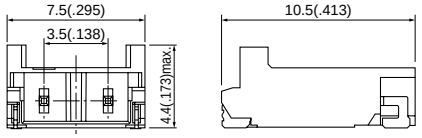
Through-hole type



Circuits	Model No.	Q'ty / box
2	**S02-BDS-3-TB**	1,000

Material and Finish
Press pin: Brass, Copper-undercoated, tin-plated Wafer: Heat resisting resin, UL94V-0, natural (ivory) Solder tab: Brass, Copper-undercoated, tin-plated

SMT type



Circuits	Model No.	Q'ty / reel
2	**SM02-BDS-3-TB**	1,000

Material and Finish
Post: Brass, nickel-undercoated, tin/copper alloy-plated Wafer: Heat resisting resin, UL94V-0, natural (ivory) Solder tab: Brass, nickel-undercoated, tin/copper alloy-plated

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

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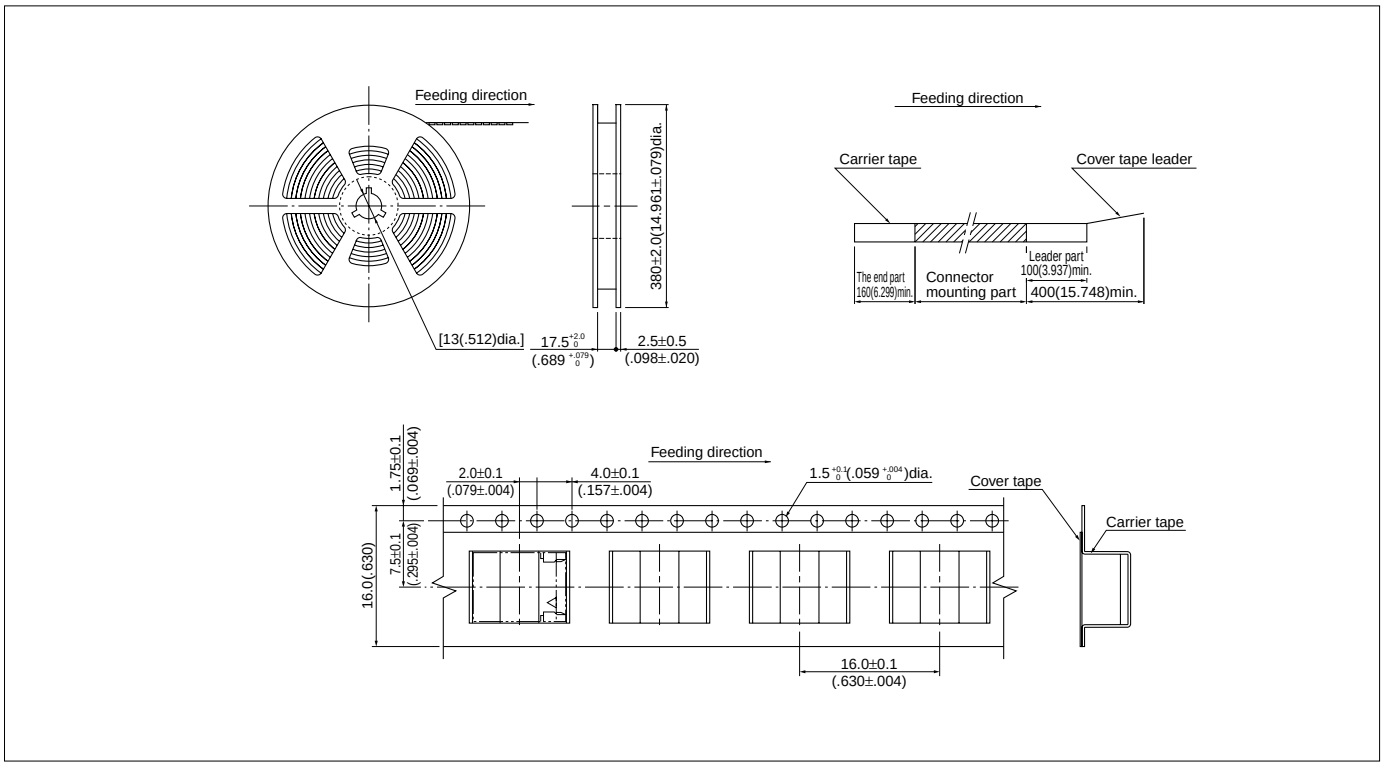
Taping specifications

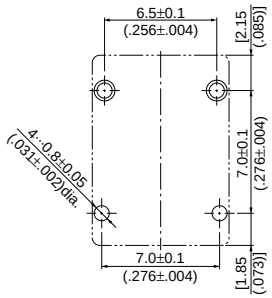


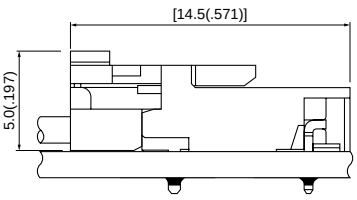
Note:

1. *Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.*
2. *Specifications are subject to change without prior notice.*

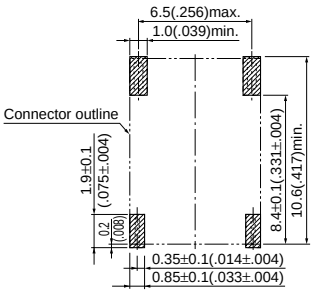
PC board layout *(viewed from component side)* and Assembly layout

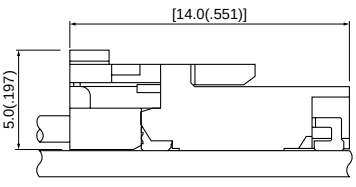
Through-hole type





SMT type





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Applicator for the semi-automatic press AP-K2N ––––––––––––––––––––––––––––

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SBHS-002T-P0.5A	APLMK SBHS002-05	APLNC SBHS002-05	–	–	–

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