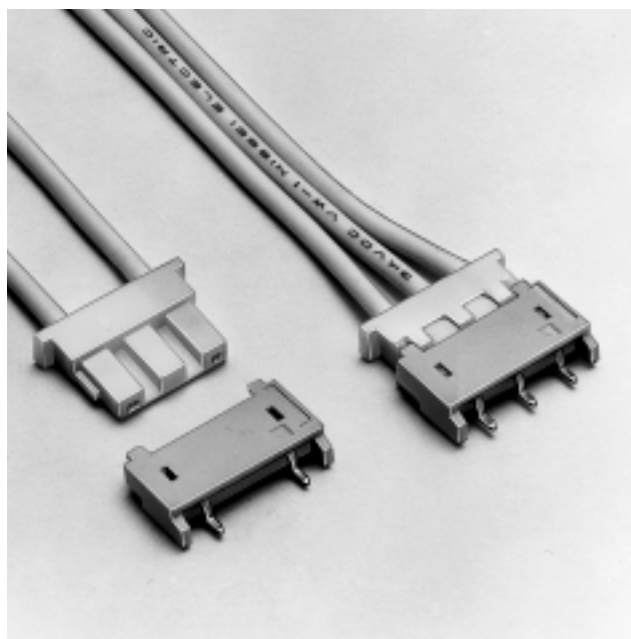
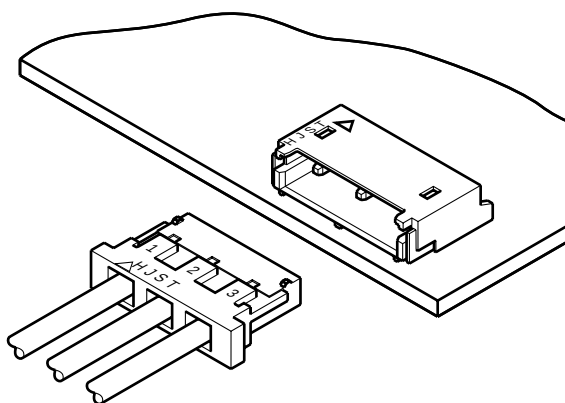




Low profile connectors with high withstanding voltage, designed for connecting liquid crystal display back light lamps to their starters.



Features

• Low profile

Allows liquid crystal displays to be thinner, with only 3.2mm (.126").

• SMT configuration

Shrouded headers are SMT style, suited for high density mounting. The headers feature reinforcing solder tabs to prevent lifting of the header during mating and unmating.

• Applicable to special wires

Its crimp style contact can be inserted into the housing with little force, thus making them suitable for use with flexible wires such as those insulated with silicone rubber.

• Headers with locating bosses

Headers with locating bosses are also available at option.

• Housing lock also serves as polarizing device

The housing lock, which is also designed to be a polarizing device, prevents both misinsertion and accidental disengagement due to vibration or shock.

Specifications

- Current rating: 1.0A AC, DC (AWG#22)
- Voltage rating: 600V 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: 1,800V AC/minute
- Applicable wire: AWG #28 to #22
- * Contact JST for details.

Standards

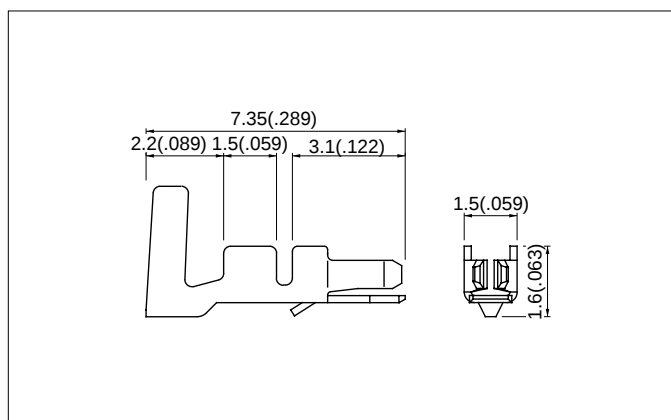


Recognized E60389



Certified LR20812

Contact



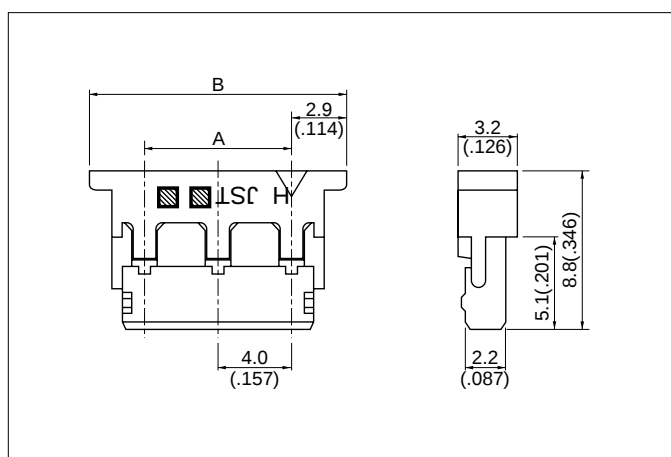
Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. min(in.)	
SBH-001T-P0.5	0.08 to 0.33	28 to 22	.16 to 2.4(063 to .094)	4,000

Material and Finish

Phosphor bronze, tin-plated

Note: Wire conductors should be tin-plated annealed copper strands.

Housing



Circuits	Pitch mm(in.)	Model No.	Dimensions mm(in.)		Q'ty / bag
			A	B	
2	4(.157)	BHR-02VS-1	4.0(.157)	9.8(.386)	1,000
	8(.315)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
	12(.472)	BHR-04VS-1	12.0(.472)	17.8(.701)	1,000
3	4(.157)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
4	4(.157)	BHR-04VS-1	12.0(.472)	17.8(.701)	1,000

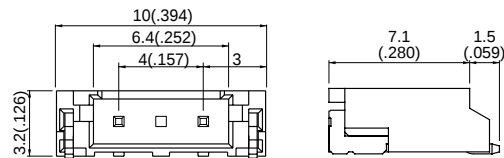
Material

Nylon 66, UL94V-0, natural (white)

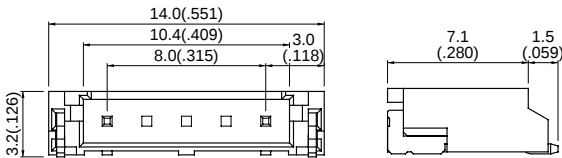
BH CONNECTOR

Shrouded header

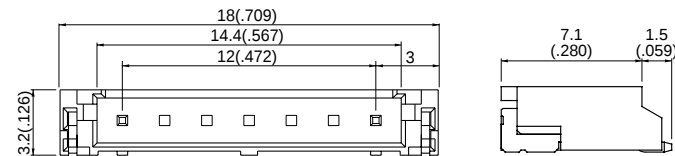
(2 circuits 4mm(.157")pitch)



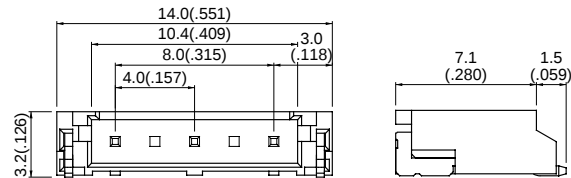
(2 circuits 8mm(.315")pitch)



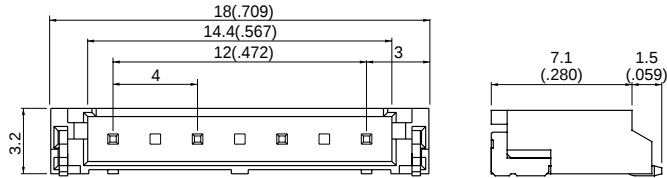
(2 circuits 12mm(.472")pitch)



(3 circuits 4mm(.157")pitch)



(4 circuits 4mm(.157")pitch)



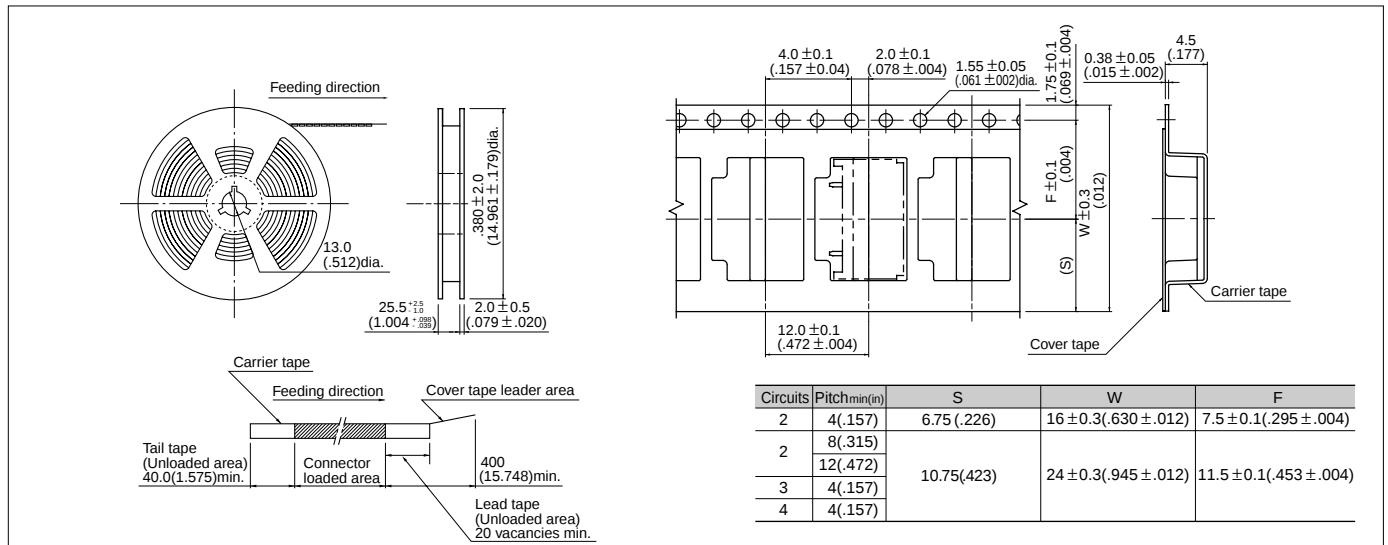
Circuits	Pitch mm(in.)	Model No.	Q'ty / reel
2	4(.157)	SM02(4.0)B-BHS-1-TB	1,000
	8(.315)	SM02(8.0)B-BHS-1-TB	1,000
	12(.472)	SM02(12)B-BHS-1-TB	1,000
3	4(.157)	SM03(4.0)B-BHS-1-TB	1,000
4	4(.157)	SM04(4.0)B-BHS-1-TB	1,000

Material and Finish

Post: Copper alloy, copper-undercoated, tin/lead-plated
Water: Polyamide resin, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin/lead-plated

- Note:
- 1. The products listed above are supplied on embossed tape.
 - 2. Products with bosses supplied in loose piece are also available. Contact JST for details.

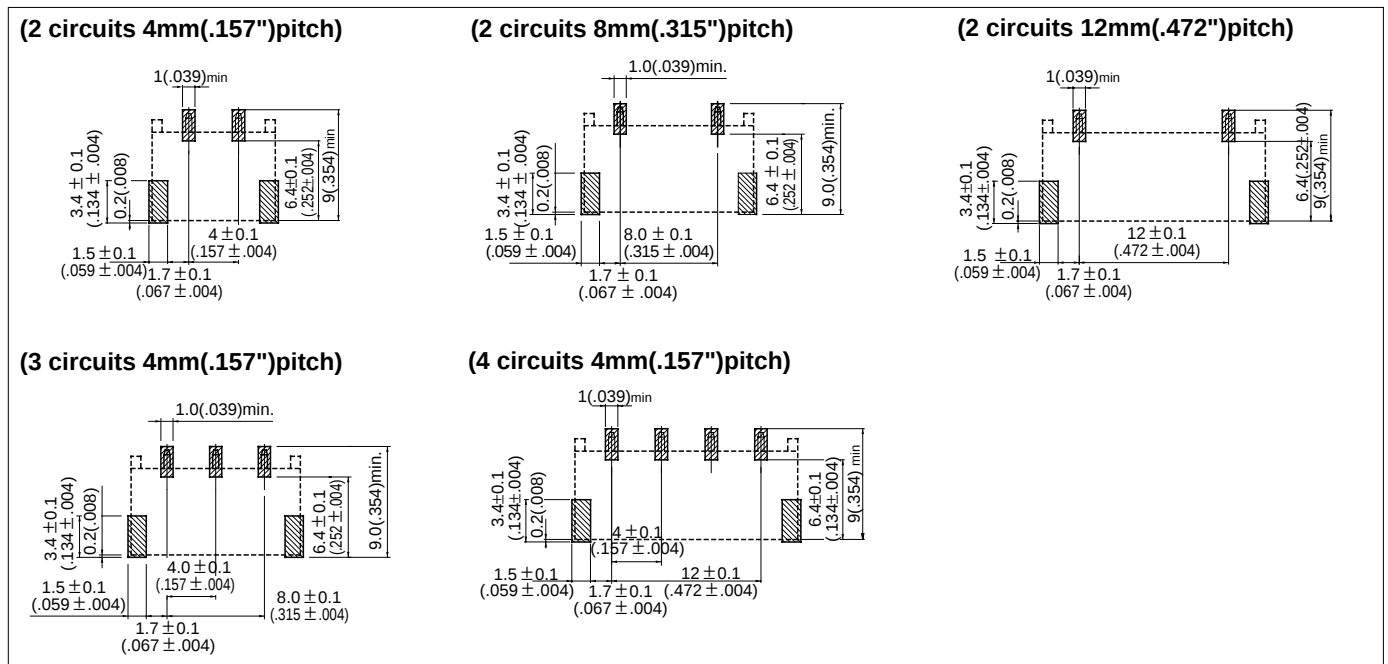
Taping specifications



Note:

1. Conforms to JIS C0806. Tape width and tape connector recess dimensions depend on the connector outer dimensions.
2. Specifications are subject to change without prior notice.

PC board layout (viewed from component side)



Note:

1. Tolerances are non-cumulative: ±0.1mm(±.004") for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

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
SBH-001T-P0.5	APLMK SBH001-05	APLNC SBH001-05	—	—	—