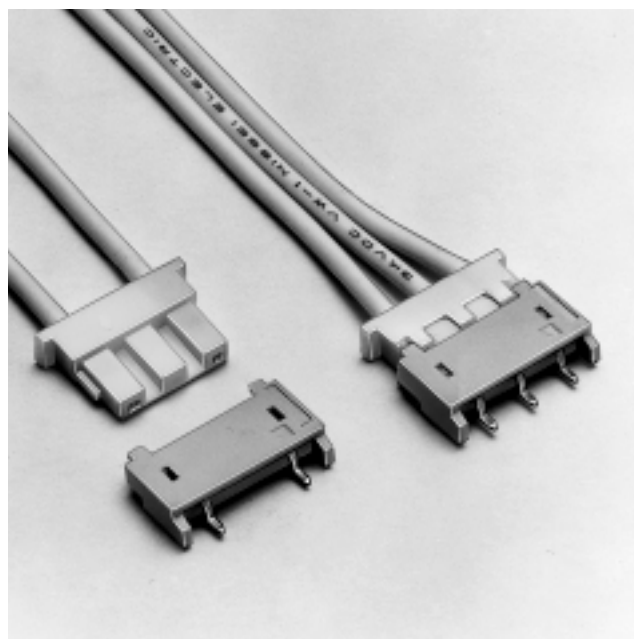
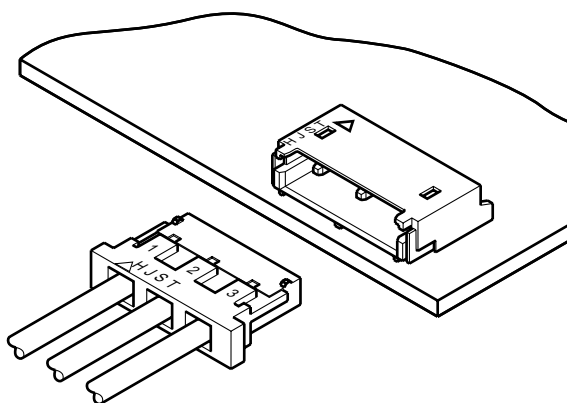


BH CONNECTOR

Disconnectable Crimp style connectors



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.

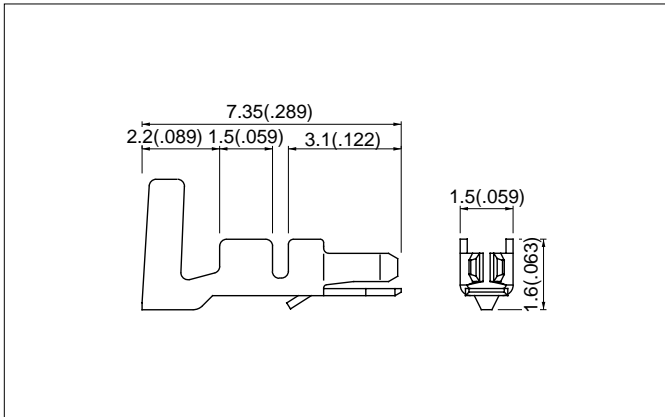
Standards

Recognized E60389

Certified LR20812

BH CONNECTOR

Contact



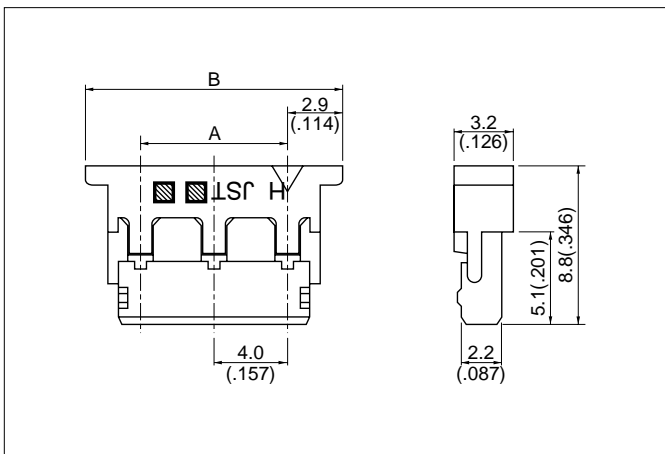
Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. min(in.)	
SBH-001T-P0.5	0.08 to 0.33	28 to 22	.16 to 2.4(063 to .094)	4,000

Material and Finish

Phosphor bronze, tin-plated

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

Housing



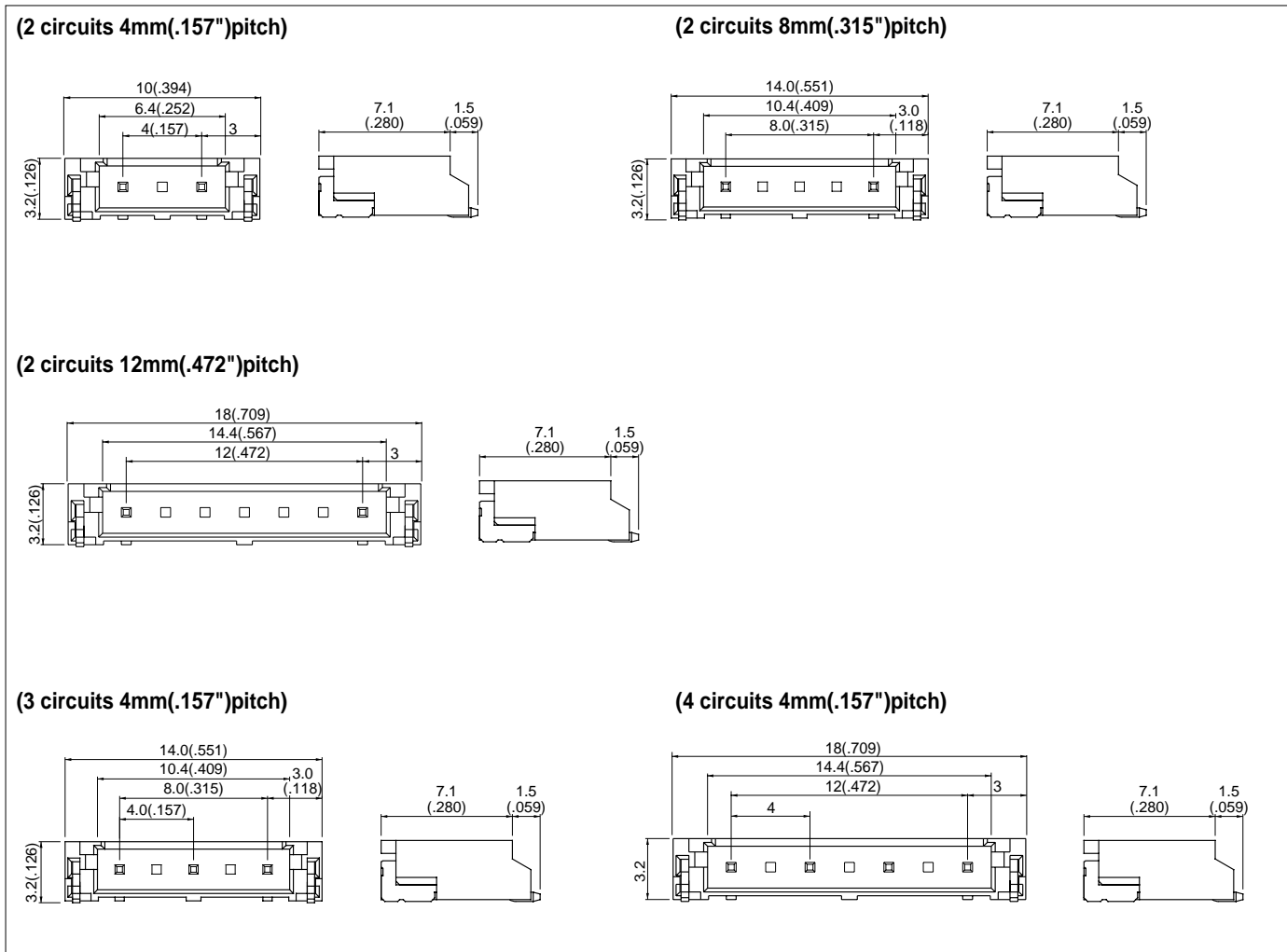
Circuits	Pitch mm(in.)	Model No.	Dimensions mm(in.)		Q'ty / bag
			A	B	
2	4(.157)	BHR-02VS-1	4.0(.157)	9.8(.386)	1,000
	8(.315)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
	12(.472)	BHR-04VS-1	12.0(.472)	17.8(.701)	1,000
3	4(.157)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
4	4(.157)	BHR-04VS-1	12.0(.472)	17.8(.701)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

Material

Nylon 66, UL94V-0, natural (white)

BH CONNECTOR

Shrouded header



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

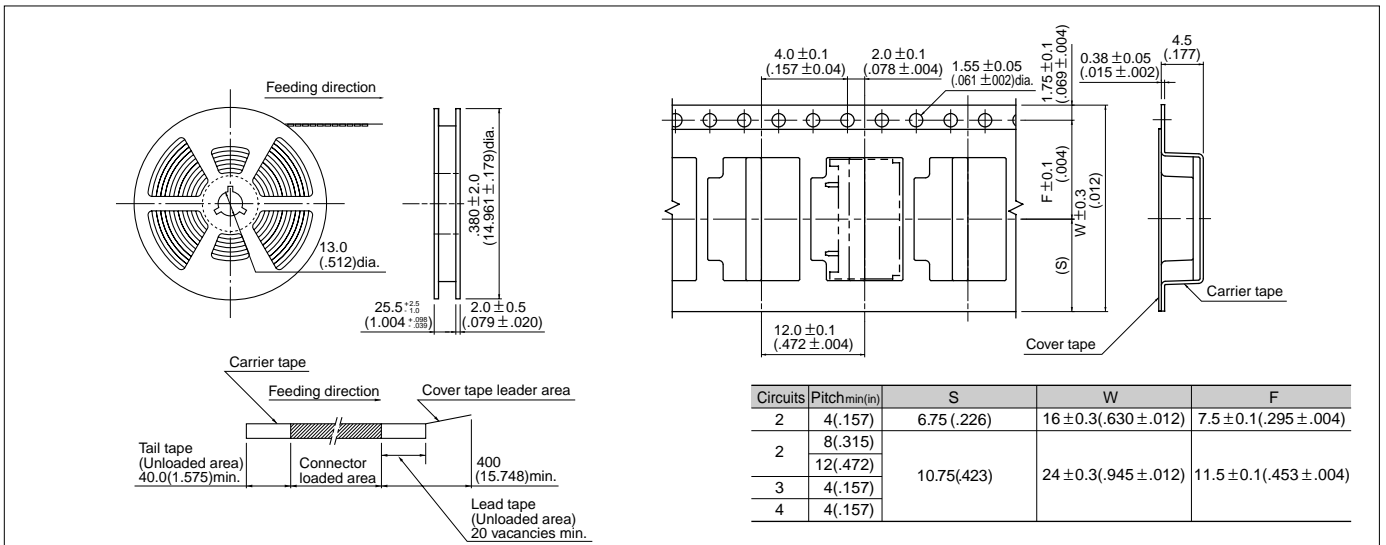
Material and Finish

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

Note:

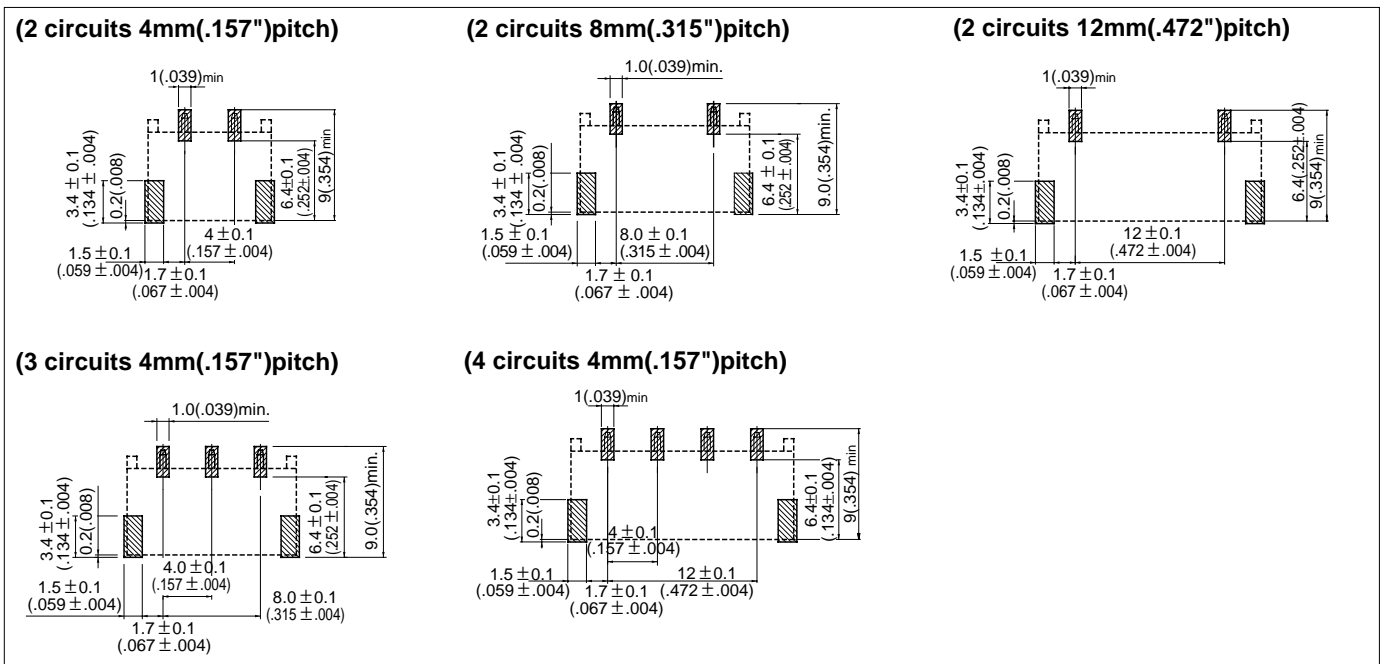
1. The products listed above are supplied on embossed tape.
2. Products with bosses supplied in loose piece are also available. Contact JST for details.

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: $\pm 0.1\text{mm}(\pm .004\text{'})$ 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	-	-	-