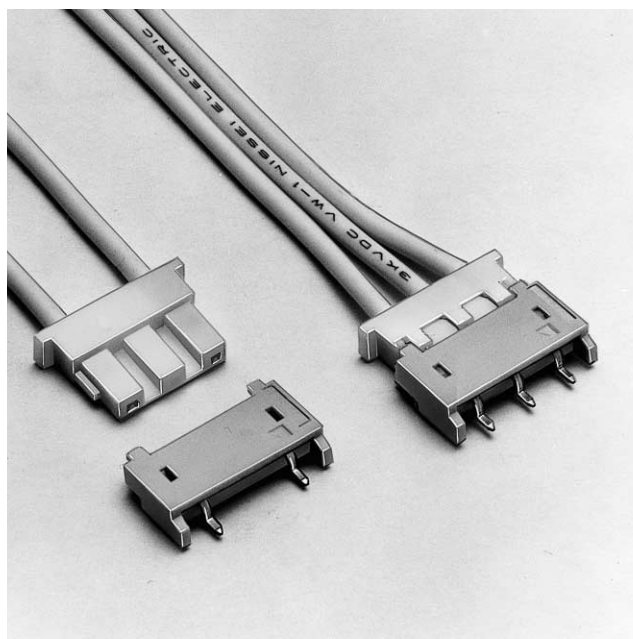
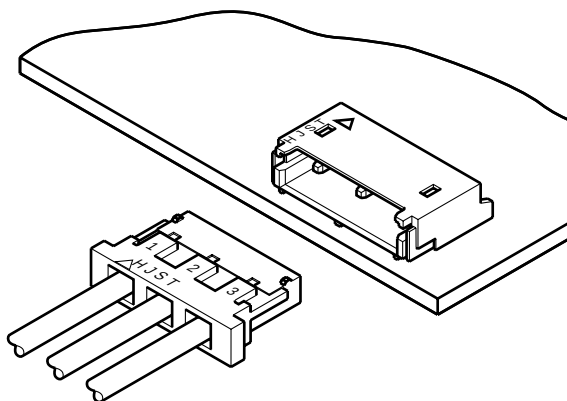


BH CONNECTOR

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

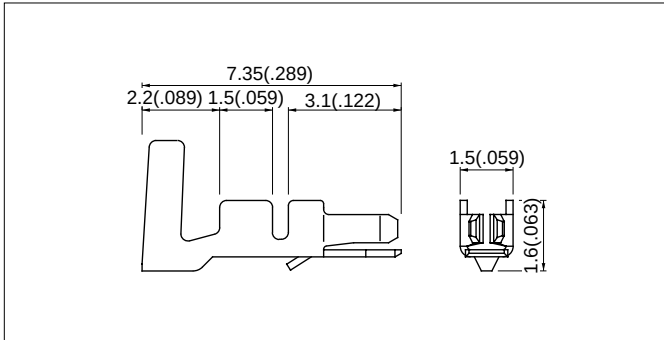
- Current rating: 1.0A AC, DC (AWG#22)
- Voltage rating: 600V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,800V AC/minute
- Applicable wire: AWG #28 to #22
- * Contact JST 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

Ⓢ Certified LR20812

Contact



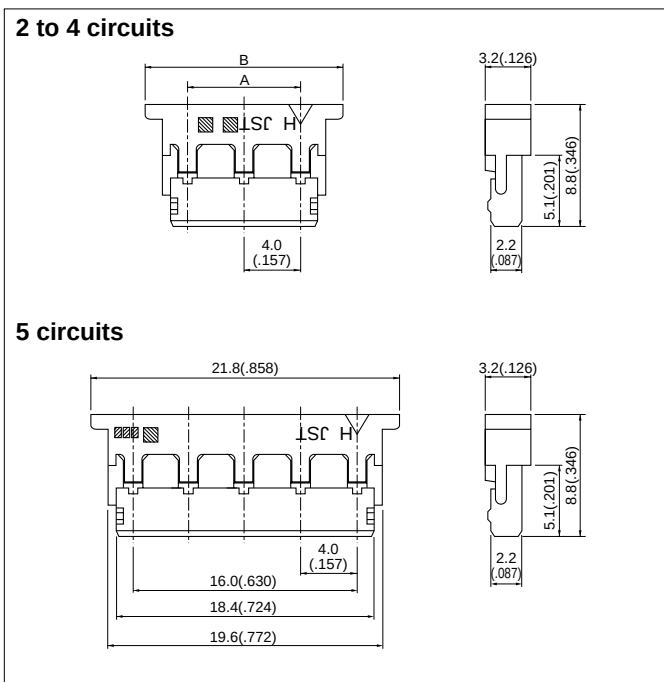
Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. min(in.)	
SBH-001T-P0.5	0.08 to 0.33	28 to 22	1.6 to 2.4(.063 to .094)	4,000

Material and Finish

Phosphor bronze, tin-plated

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

Housing



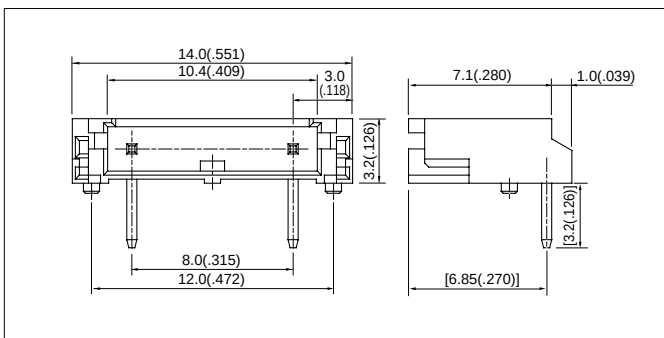
Circuits	Pitch mm(in.)	Model No.	Dimensions mm(in.)		Q'ty / bag
			A	B	
2	4.0(.157)	BHR-02VS-1	4.0(.157)	9.8(.386)	1,000
	8.0(.315)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
	8.0(.315)	BHR-02(8.0)VS-1N	8.0(.315)	13.8(.543)	1,000
	12.0(.472)	BHR-04VS-1	12.0(.472)	17.8(.701)	1,000
3	4.0(.157)	BHR-03VS-1	8.0(.315)	13.8(.543)	1,000
	4.0(.157)	BHR-03(4-3)VS-1N	12.0(.472)	17.8(.701)	1,000
4	4.0(.157)	BHR-04VS-1	12.0(.472)	17.8(.701)	1,000
5	4.0(.157)	BHR-05VS-1	16.0(.630)	21.8(.858)	1,000

Material

Nylon 66, UL94V-0, natural (white)

Note: 1. BHR-02(8.0)VS-1N: 2 circuits 8.0mm(.315") pitch plugged up.
2. BHR-03(4-3)VS-1N: 4 circuits 4.0mm(.157") pitch header with circuit No.3 plugged up.

Through-hole type shrouded header



Circuits	Pitch mm(in.)	Model No.	Q'ty / tray
2	8.0(.315)	S02(8.0)B-BHS	1,000

Material and Finish

Post: Copper alloy, copper-undercoated, tin/lead-plated

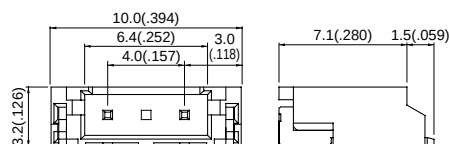
Wafer: Polyamide resin, UL94V-0, natural (ivory)

Note: The applicable housing is "BHR-02(8.0)VS-1N" only.

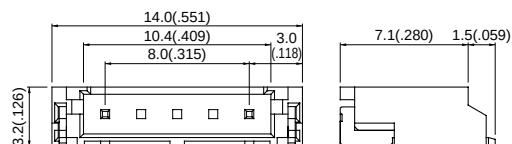
BH CONNECTOR

SMT type shrouded header

(2 circuits 4.0mm(.157")pitch)

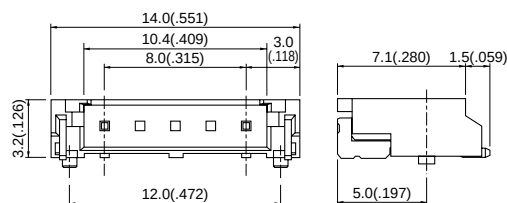


(2 circuits 8.0mm(.315")pitch)



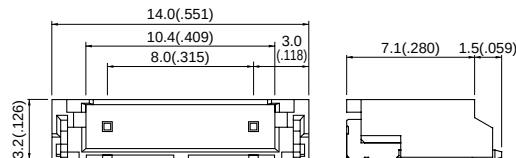
(2 circuits 8.0mm(.315")pitch with bosses)

Note 1)



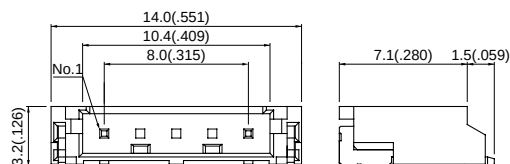
(2 circuits 8.0mm(.315")pitch plugged up)

Note 2)

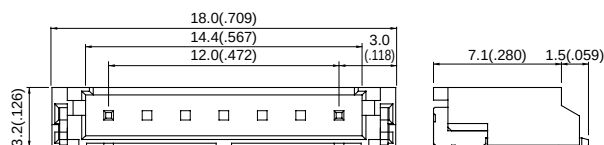


(2 circuits 8.0mm(.315")pitch with ribs against prying)

Note 4)

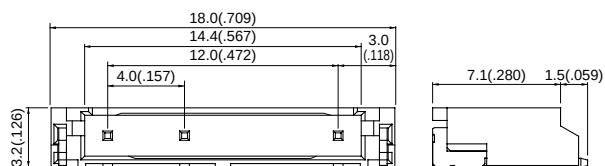


(2 circuits 12.0mm(.472")pitch)

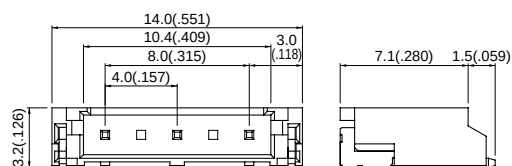


(3 circuits 4.0mm(.157")pitch plugged up)

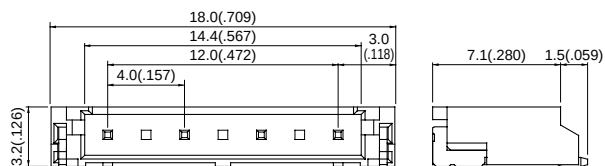
Note 3)



(3 circuits 4.0mm(.157")pitch)

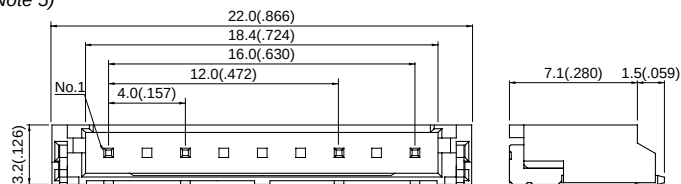


(4 circuits 4.0mm(.157")pitch)



(4 circuits 4.0mm(.157")pitch with post removed)

Note 5)



Circuits	Pitch mm(in.)	Model No.	Q'ty / reel
2	4.0(.157)	SM02(4.0)B-BHS-1-TB	1,000
	8.0(.315)	SM02(8.0)B-BHS-1-TB	1,000
	Note1) 8.0(.315)	SM02(8.0)B-BHS-TB	1,000
	Note2) 8.0(.315)	SM02(8.0)B-BHS-1N-TB	1,000
	Note4) 8.0(.315)	SM02(8.0)B-BHS-1R-TB	1,000
	12.0(.472)	SM02(12)B-BHS-1-TB	1,000
3	4.0(.157)	SM03(4.0)B-BHS-1-TB	1,000
	Note3) 4.0(.157)	SM03(7-D1)B-BHS-1N-TB	1,000
4	4.0(.157)	SM04(4.0)B-BHS-1-TB	1,000
5	Note5) 4.0(.157)	SM04(9-E2)B-BHS-1-TB	1,000

Material and Finish

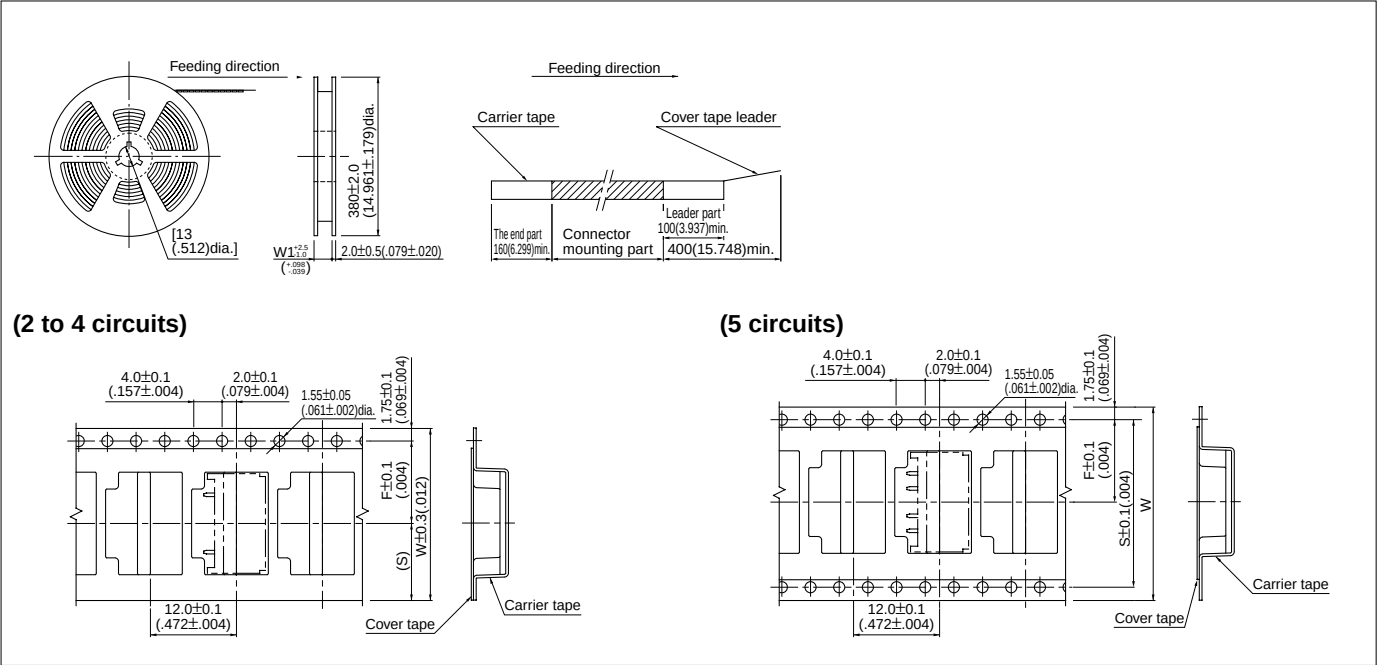
Post: Copper alloy, copper-undercoated, tin/lead-plated
 Wafer: Polyamide resin, UL94V-0, natural (ivory)
 Solder tab: Brass, copper-undercoated, tin/lead-plated

Note:

- Header with bosses. Contact JST for other circuits headers with bosses.
- 2 circuits 8.0mm(.315") pitch plugged up.
- 4 circuits 4.0mm(.157") pitch header with circuit No.3 plugged up.
- Header with ribs against prying. Contact JST for other circuits headers with ribs against prying.
- 5 circuits 4.0mm(.157") pitch header with circuit No.3 post removed.
- The products listed above are supplied on embossed tape.
- Products with bosses supplied in loose piece are also available. Contact JST for details.

BH CONNECTOR

Taping specifications



Circuits	Pitch min(in.)	Dimensions mm(in.)			Reel dimensions mm(in.)	Qty / reel
		F	S	W		
2	4.0(.157)	7.5(.295)	6.75(.266)	16.0(.630)	25.5(1.004)	1,000
	8.0(.315)	11.5(.453)	10.75(.423)	24.0(.945)	25.5(1.004)	1,000
	12.0(.472)	11.5(.453)	10.75(.423)	24.0(.945)	25.5(1.004)	1,000
3	4.0(.157)	11.5(.453)	10.75(.423)	24.0(.945)	25.5(1.004)	1,000
4	4.0(.157)	11.5(.453)	10.75(.423)	24.0(.945)	25.5(1.004)	1,000
5	4.0(.157)	14.2(.559)	28.4(1.118)	32.0(1.260)	33.5(1.319)	1,000

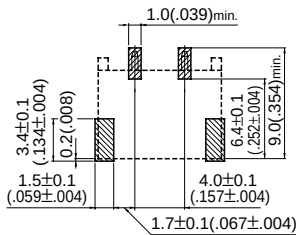
Note:

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.

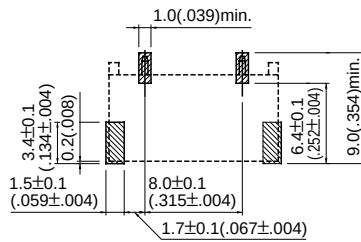
PC board layout (viewed from component side)

SMT type

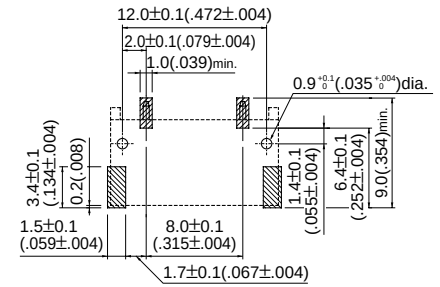
(2 circuits 4.0mm(.157")pitch)



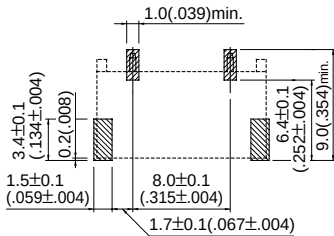
(2 circuits 8.0mm(.315")pitch)



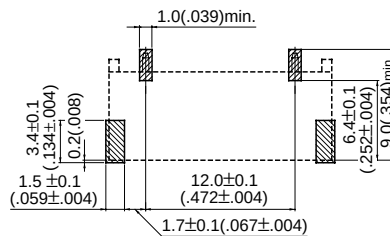
(2 circuits 8.0mm(.315")pitch with bosses)



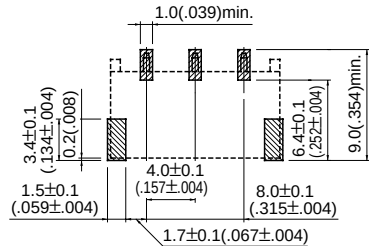
(2 circuits 8.0mm(.315")pitch plugged up)



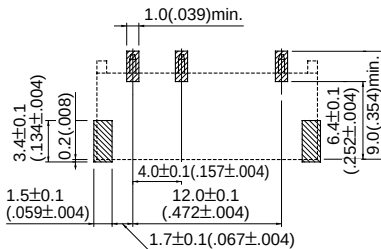
(2 circuits 12.0mm(.472")pitch)



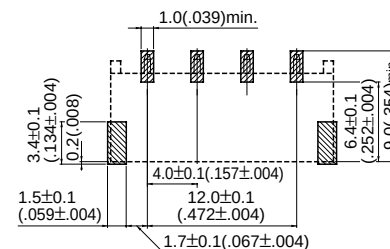
(3 circuits 4.0mm(.157")pitch)



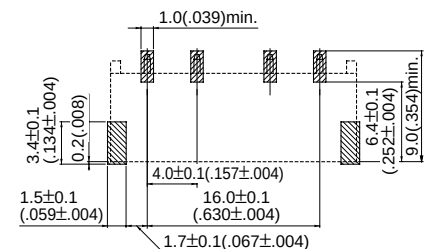
(3 circuits 4.0mm(.157")pitch plugged up)



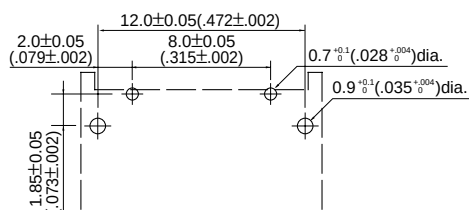
(4 circuits 4.0mm(.157")pitch)



(4 circuits 4.0mm(.157")pitch with post removed)



Through-hole type



Note:

1. Tolerances are non-cumulative: $\pm 0.1\text{mm}(\pm .004")$ 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	-	-	-