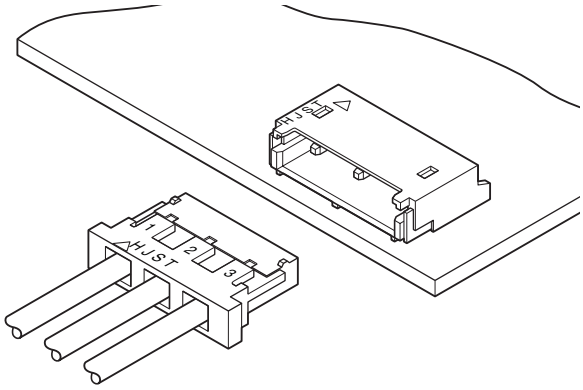


BH CONNECTOR

Emboss Tape

4.0/8.0/12.0mm pitch/Disconnectable Crimp style connectors



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

- ***Low profile***
- ***SMT configuration***
- ***Applicable to special wires***
- ***Headers with locating bosses***
- ***Housing lock also serves as polarizing device***

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

* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

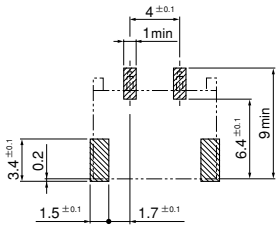
Recognized E60389

Certified LR20812

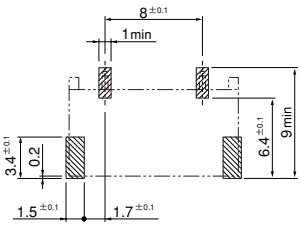
PC board layout (viewed from component side)

SMT type

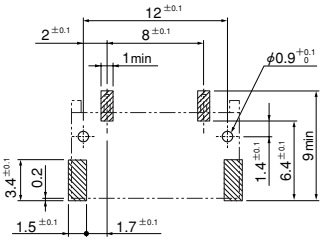
(2 circuits 4mm pitch)



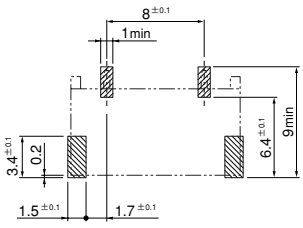
(2 circuits 8mm pitch)



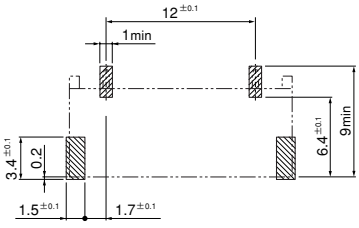
(2 circuits 8mm pitch with bosses)



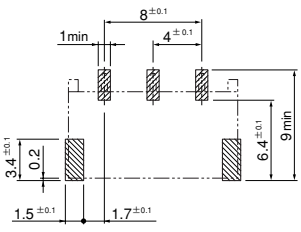
(2 circuits 8mm pitch plugged up)



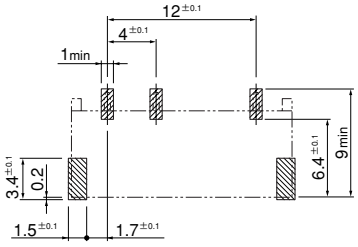
(2 circuits 12mm pitch)



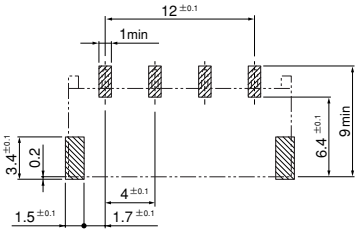
(3 circuits 4mm pitch)



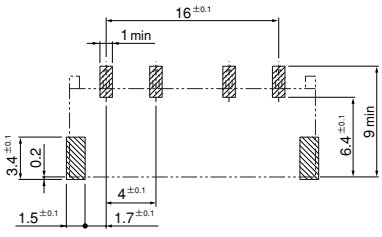
(3 circuits 4mm pitch plugged up)



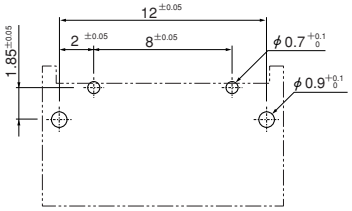
(4 circuits 4mm pitch)



(4 circuits 4mm pitch with post removed)



Through-hole type

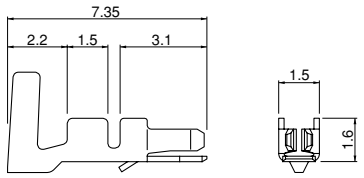


Note: 1. Tolerances are for pattern non-cumulative: ±0.05mm for all centers. Tolerance for hole size is ±0.1.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as guideline. Contact JST for details.

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BH CONNECTOR

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm²	AWG #		
SBH-001T-P0.5	0.08～0.33	28～22	1.6 ～2.4	4,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

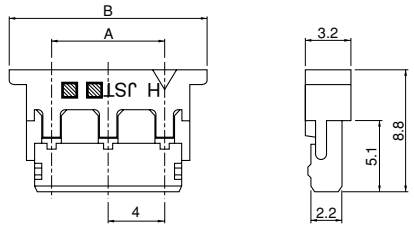
RoHS compliance
Note: Wire conductors should be tin-plated annealed copper strands.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SBH-001T-P0.5	AP-K2N	MKS-L	MK/SBH/M-001-05	APLMK SBH/M001-05
		*MKS-SC1-1	SC/SBH/M-001-05	APLSC SBH/M001-05

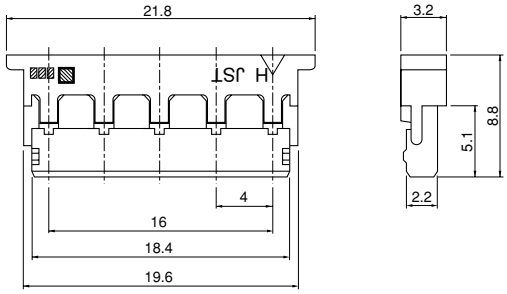
*Note: *Strip-crimp applicator*

Housing

2 to 4 circuits



5 circuits

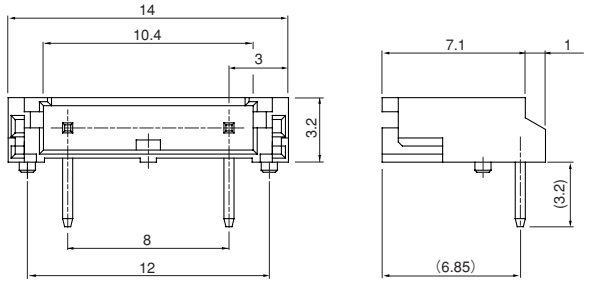


Circuits	Pitch (mm)	Model No.	Dimensions (mm)		Q'ty / bag
			A	B	
2	4	**BHR-02VS-1**	4.0	9.8	1,000
	8	**BHR-03VS-1**	8.0	13.8	1,000
	Note1) 8	**BHR-02(8.0)VS-1N**	8.0	13.8	1,000
	12	**BHR-04VS-1**	12.0	17.8	1,000
3	4	**BHR-03VS-1**	8.0	13.8	1,000
	Note2) 4	**BHR-03(4-3)VS-1N**	12.0	17.8	1,000
4	4	**BHR-04VS-1**	12.0	17.8	1,000
5	4	**BHR-05VS-1**	16.0	21.8	1,000

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

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

Through-hole type shrouded header



Circuits	Pitch (mm)	Model No.	Q'ty / tray
2	8	**S02(8.0)B-BHS**	1,000

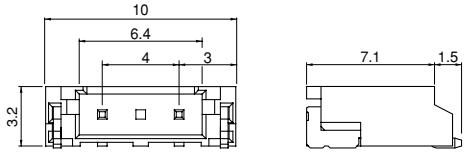
Material and Finish
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA, UL94V-0, natural (ivory)

RoHS compliance *This product displays (LF)(SN) on a label.*
Note: The applicable housing is "BHR-02(8.0)VS-1N" only.

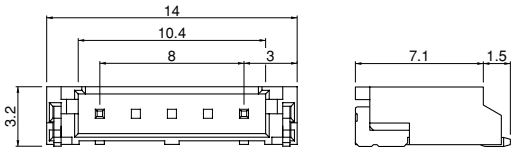
Downloaded from Arrow.com.

SMT type shrouded header

(2 circuits 4mm pitch)

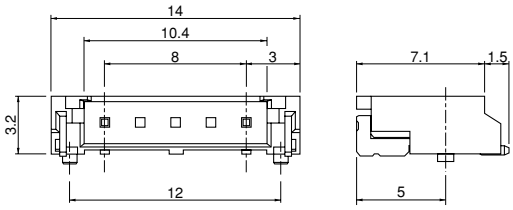


(2 circuits 8mm pitch)



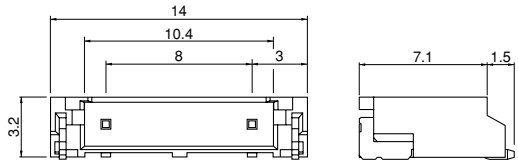
(2 circuits 8mm pitch with bosses)

Note 1)



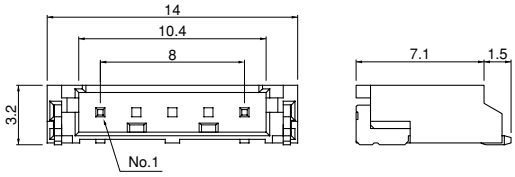
(2 circuits 8mm pitch plugged up)

Note 2)

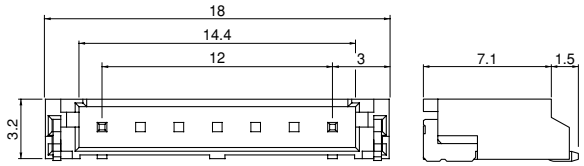


(2 circuits 8mm pitch with ribs against prying)

Note 4)

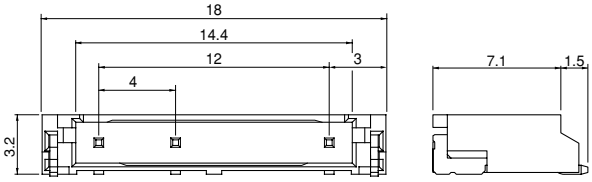


(2 circuits 12mm pitch)

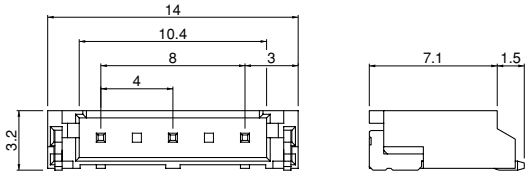


(3 circuits 4mm pitch plugged up)

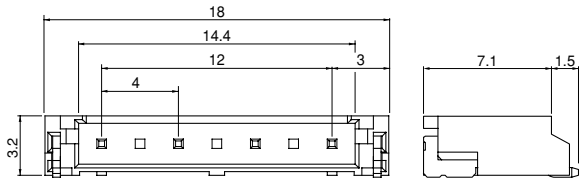
Note 3)



(3 circuits 4mm pitch)

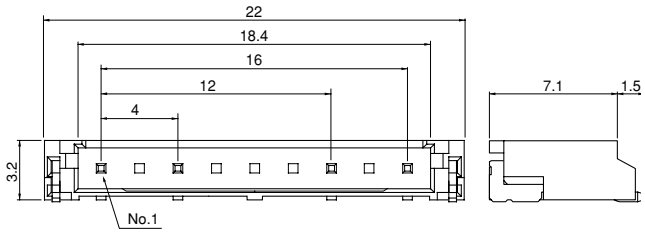


(4 circuits 4mm pitch)



(4 circuits 4mm pitch with post removed)

Note 5)



Circuits	Pitch(mm)	Model No.	Q'ty / reel
2	4	**SM02(4.0)B-BHS-1-TB**	1,000
	8	**SM02(8.0)B-BHS-1-TB**	1,000
	Note1) 8	**SM02(8.0)B-BHS-TB**	1,000
	Note2) 8	**SM02(8.0)B-BHS-1N-TB**	1,000
	Note4) 8	**SM02(8.0)B-BHS-1R-TB**	1,000
	12	**SM02(12)B-BHS-1-TB**	1,000
3	4	**SM03(4.0)B-BHS-1-TB**	1,000
	Note3) 4	**SM03(7-D1)B-BHS-1N-TB**	1,000
4	4	**SM04(4.0)B-BHS-1-TB**	1,000
5	Note5) 4	**SM04(9-E2)B-BHS-1-TB**	1,000

Material and Finish
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

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

Note: 1. Header with bosses. Contact JST for other circuits headers with bosses.
2. 2 circuits 8.0mm pitch plugged up.
3. 4 circuits 4.0mm pitch header with circuit No.3 plugged up.
4. Header with ribs against prying. Contact JST for other circuits headers with ribs against prying.
5. 5 circuits 4.0mm pitch header with circuit No.3 post removed.
6. The products listed above are supplied on embossed tape.
7. Products with bosses supplied in loose piece are also available. Contact JST for details.

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