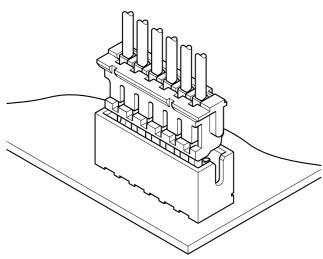


ZH CONNECTOR



1.5mm pitch/Disconnectable Crimp style connectors



The ZH connector is very small with a mounting height of 5.6 mm and a thickness of only 3.5 mm. Contact retention lances on the housing make insertion easier, while the dimple at the center of the contact ensures reliable contact with the post.

- · Compact, low profile design
- Housing lances
- Reliable contact construction
- Distortion resistant construction
- Compatible with the ZR insulation displacement connectors

Specifications -

• Current rating: 1.0 A AC, DC (AWG #26)

• Voltage rating: 50 V AC, DC

• Temperature range: -25°C to +85°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ 20 m Ω max.

After environmental tests/ 30 m Ω max.

• Insulation resistance: 500 M Ω min.

• Withstanding voltage: 500 VAC/minute

Applicable wire: AWG #32 to #26

• Applicable PC board thickness: 0.6 to 1.2 mm, 1.6 mm

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

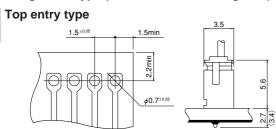
Standards -

Recognized E60389

Certified LR20812

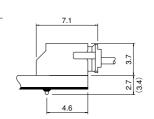
PC board layout and Assembly layout

⟨Through-hole type (viewed from soldering side) ⟩



Side entry type

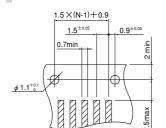
φ 0.7^{±0.03}



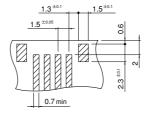
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

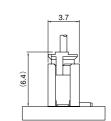
2. Hole dimension differ according to the type of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.

(SMT type (viewed from component side)

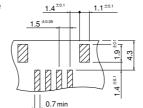


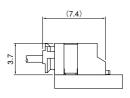
SM4 type
Top entry type











Note: 1. N...Number of circuits

SM2 type

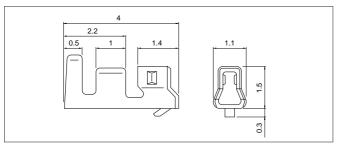
Side entry type

- 2. Tolerances are non-cumulative: ±0.05 mm for all centers.
- 3. The dimensions above should serve as a guideline. Contact JST for details.

(7.4)

ZH CONNECTOR

Contact



	Crimping	Applicator			
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
0711 0007 00 5		MKS-L	MK/SZH-002-05	APLMK SZH002-05	
SZH-002T-P0.5	AP-K2N				

Note: *Strip-crimp applicator.

Model No.		Q'ty/		
	mm²	AWG#	Insulation O.D. (mm)	reel
SZH-002T-P0.5	0.08 ~0.13	28~26	0.8~1.1	13,000
SZH-003T-P0.5	0.032~0.08	32~28	0.5~0.9	16,000

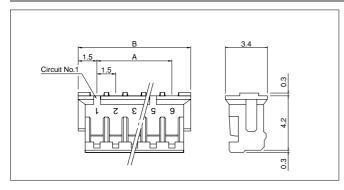
Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
0711 000T D0 F	4 D 16011	MKS-L	MK/SZH-003-05	APLMK SZH003-05		
SZH-003T-P0.5	AP-K2N	*MKS-SC	SC/SZH-003-05	APLSC SZH003-05		

Housing



<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ZHR-2-00

(blank)...natural (white)

K...black R...red E...blue M...green L...lemon yellow

LE...light blue DO...dark orange H...gray

Circuits	Model No.	Dimensio	Q'ty/	
Circuits	Woder No.	Α	В	bag
2	ZHR-2	1.5	4.5	1,000
3	ZHR-3	3.0	6.0	1,000
4	ZHR-4	4.5	7.5	1,000
5	ZHR-5	6.0	9.0	1,000
6	ZHR-6	7.5	10.5	1,000
6	ZHR-6(3.0)	15.0	18.0	1,000
7	ZHR-7	9.0	12.0	1,000
8	ZHR-8	10.5	13.5	1,000
9	ZHR-9	12.0	15.0	1,000
10	ZHR-10	13.5	16.5	1,000
11	ZHR-11	15.0	18.0	1,000
12	ZHR-12	16.5	19.5	1,000
13	ZHR-13	18.0	21.0	1,000

Material

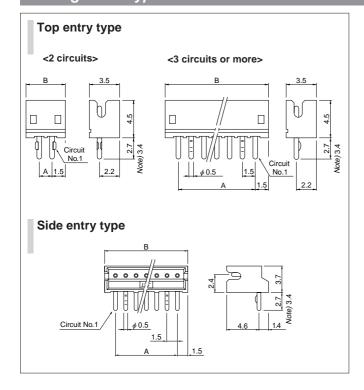
PA 66, UL94V-0, natural (white)

RoHS compliance

Note: 1. ZHR-6(3.0) is 6 circuits 3.0 mm pitch plugged up. As for this housing, only circuit No.1 is marked.

2. ZHR-6(3.0) is not UL/CSA approved.

Through-hole type shrouded header



	Model No.			Dimensions (mm)		Q'ty/box			
Circuits	Top entry type	Side entry type	Note) Top entry type	Note) Side entry type	Α	В	Top entry type	Side entry type	Side entry type-3.4
2	B2B-ZR	S2B-ZR	B2B-ZR-3.4	S2B-ZR-3.4	1.5	4.5	2,000	2,000	2,000
3	B3B-ZR	S3B-ZR	B3B-ZR-3.4	S3B-ZR-3.4	3.0	6.0	2,000	2,000	1,000
4	B4B-ZR	S4B-ZR	B4B-ZR-3.4	S4B-ZR-3.4	4.5	7.5	2,000	2,000	2,000
5	B5B-ZR	S5B-ZR	B5B-ZR-3.4	S5B-ZR-3.4	6.0	9.0	2,000	1,000	1,000
6	B6B-ZR	S6B-ZR	B6B-ZR-3.4	S6B-ZR-3.4	7.5	10.5	2,000	1,000	1,000
7	B7B-ZR	S7B-ZR	B7B-ZR-3.4	S7B-ZR-3.4	9.0	12.0	1,000	1,000	1,000
8	B8B-ZR	S8B-ZR	B8B-ZR-3.4	S8B-ZR-3.4	10.5	13.5	1,000	1,000	1,000
9	B9B-ZR	S9B-ZR	B9B-ZR-3.4	S9B-ZR-3.4	12.0	15.0	1,000	1,000	1,000
10	B10B-ZR	S10B-ZR	B10B-ZR-3.4	S10B-ZR-3.4	13.5	16.5	1,000	1,000	1,000
11	B11B-ZR	S11B-ZR	B11B-ZR-3.4	S11B-ZR-3.4	15.0	18.0	1,000	500	500
12	B12B-ZR	S12B-ZR	B12B-ZR-3.4	S12B-ZR-3.4	16.5	19.5	1,000	500	500
13	B13B-ZR	S13B-ZR	B13B-ZR-3.4	S13B-ZR-3.4	18.0	21.0	500	500	500

Material and Finish

Pin: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS compliance This product displays (LF)(SN) on a label. Note: Headers with 3.4 mm long solder tails, suited for the 1.6 mm thick PC board.

As the color identification,

the following alphabet shall be put in the underlined part.

For availability, delivery and minimum order quantity, contact JST.

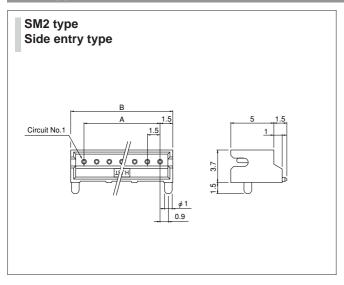
ex. B2B-ZR-3.4-<u>oo</u>

(blank)...natural (ivory)

K...black R...red E...blue M...green Y...Yellow

ZH CONNECTOR

SMT type shrouded header



SM4 type (with solder tabs) Top entry type Side entry type Circuit No.

SM2 type

Circuits -	Model No.	Dimensio	Q'ty/	
	Side entry type	Α	В	reél
2	S2B-ZR-SM2-TF	1.5	4.5	1,000
3	S3B-ZR-SM2-TF	3.0	6.0	1,000
4	S4B-ZR-SM2-TF	4.5	7.5	1,000
5	S5B-ZR-SM2-TF	6.0	9.0	1,000
6	S6B-ZR-SM2-TF	7.5	10.5	1,000
7	S7B-ZR-SM2-TF	9.0	12.0	1,000
8	S8B-ZR-SM2-TF	10.5	13.5	1,000
9	S9B-ZR-SM2-TF	12.0	15.0	1,000
10	S10B-ZR-SM2-TF	13.5	16.5	1,000
11	S11B-ZR-SM2-TF	15.0	18.0	1,000
12	S12B-ZR-SM2-TF	16.5	19.5	1,000
13	S13B-ZR-SM2-TF	18.0	21.0	1,000

Material and Finish

Pin: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 46, UL94V-0, natural (ivory)

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

SM4 type

<u> </u>	, , , ,						
0: :	Model No.			Dimensions (mm)		Q'ty/reel	
Circuits	Top entry type	Side entry type	Α	В	Top entry type	Side entry type	
2	B2B-ZR-SM4-TF	S2B-ZR-SM4A-TF	1.5	6.0	1,000	1,000	
3	B3B-ZR-SM4-TF	S3B-ZR-SM4A-TF	3.0	7.5	1,000	1,000	
4	B4B-ZR-SM4-TF	S4B-ZR-SM4A-TF	4.5	9.0	1,000	1,000	
5	B5B-ZR-SM4-TF	S5B-ZR-SM4A-TF	6.0	10.5	1,000	1,000	
6	B6B-ZR-SM4-TF	S6B-ZR-SM4A-TF	7.5	12.0	1,000	1,000	
7	B7B-ZR-SM4-TF	S7B-ZR-SM4A-TF	9.0	13.5	1,000	1,000	
8	B8B-ZR-SM4-TF	S8B-ZR-SM4A-TF	10.5	15.0	1,000	1,000	
9	B9B-ZR-SM4-TF	S9B-ZR-SM4A-TF	12.0	16.5	1,000	1,000	
10	B10B-ZR-SM4-TF	S10B-ZR-SM4A-TF	13.5	18.0	1,000	1,000	
11	B11B-ZR-SM4-TF	S11B-ZR-SM4A-TF	15.0	19.5	1,000	1,000	
12	B12B-ZR-SM4-TF	S12B-ZR-SM4A-TF	16.5	21.0	1,000	1,000	
13	B13B-ZR-SM4-TF	S13B-ZR-SM4A-TF	18.0	22.5	1,000	1,000	

Material and Finish

Pin: Brass, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 6T, 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. PA 9T is used for some colored products.

- 2. The products listed above are supplied on embossed-tape.
 - 3. Contact JST for the top entry type headers with suction cap.

<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

S2B-ZR-SM4A-oo-TF

(blank)...natural (ivory)

K...black R...red E...blue M...green L...lemon yellow LE...light blue DO...dark orange DH...dark gray

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