







The ZH connector is very small with a mounting height of 5.6mm and a thickness of only 3.5mm. 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

PC board layout and Assembly layout

 \langle Through-hole type (viewed from soldering side) \rangle



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

2. Hole dimension differ according to the kind 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) >



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

JST

3. The dimensions above should serve as a guideline. Contact JST for details.

Specifications –

- Current rating: 1.0A AC, DC (AWG #26)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/20m Ω max. After environmental testing/30m $\Omega\,$ max.
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: AWG #32 to #26
- Applicable PC board thickness: 0.6 to 1.2mm, 1.6mm
- * 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

0.7 min

Certified LR20812



ZH CONNECTOR

Contact



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

Model No.		Q'ty /						
	mm ²	AWG#	Insulation O.D. (mm)	reel				
SZH-002T-P0.5	SZH-002T-P0.5 0.08 ~0.13 28~26 0.8~1		0.8~1.1	13,000				
SZH-003T-P0.5	0.032~0.08	16,000						
Material and Finish								

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

a	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
	AP-K2N	MKS-L	MK/SZH-003-05	APLMK SZH003-05		
SZH-003T-P0.5		*MKS-SC	SC/SZH-003-05	APLSC SZH003-05		

Note: *Strip-crimp applicator.

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.

ex. ZHR-2-00

\$ 0.5

1.5

(blank)...natural (white)

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

Through-hole type shrouded header



.	Model No.	Dimensi	Dimensions (mm)			
Circuits		А	В	Q'ty / 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		

PA 66, UL94V-0, natural (white)

RoHS compliance

Note: 1. ZHR-6(3.0) is 6 circuits 3.0mm pitch plugged up.

As for this housing, only circuit No.1 is marked.

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

	Model No.				Dimensions (mm)		Q'ty / box		
Circuits	Top entry type	Side entry type	Note) Top entry type	Note) Side entry type	А	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 3.4mm long solder tails, suited for the 1.6mm thick PC board.

<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.

B2B-ZR-3.4-00 ex.

(blank)...natural (ivory)

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



ZH CONNECTOR

SMT type shrouded header



<u></u>	Model No.	Dimensi	Dimensions (mm)		
Circuits	Side entry type	A	В	ree	
2	S2B-ZR-SM2-TF	1.5	4.5	1,00	
3	S3B-ZR-SM2-TF	3.0	6.0	1,00	
4	S4B-ZR-SM2-TF	4.5	7.5	1,00	
5	S5B-ZR-SM2-TF	6.0	9.0	1,00	
6	S6B-ZR-SM2-TF	7.5	10.5	1,00	
7	S7B-ZR-SM2-TF	9.0	12.0	1,00	
8	S8B-ZR-SM2-TF	10.5	13.5	1,00	
9	S9B-ZR-SM2-TF	12.0	15.0	1,00	
10	S10B-ZR-SM2-TF	13.5	16.5	1,00	
11	S11B-ZR-SM2-TF	15.0	18.0	1,00	
12	S12B-ZR-SM2-TF	16.5	19.5	1,00	
13	S13B-ZR-SM2-TF	18.0	21.0	1,00	

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



Circuits	Model No.			ons (mm)	Q'ty / reel	
	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. The products listed above are supplied on embossed-tape. 2. 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.

ex. S2B-ZR-SM4A-oo-TF

(blank)...natural (ivory) K...black R...red E...blue M...green