



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



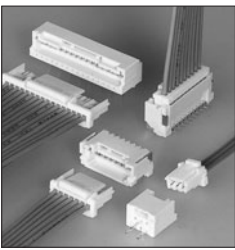
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

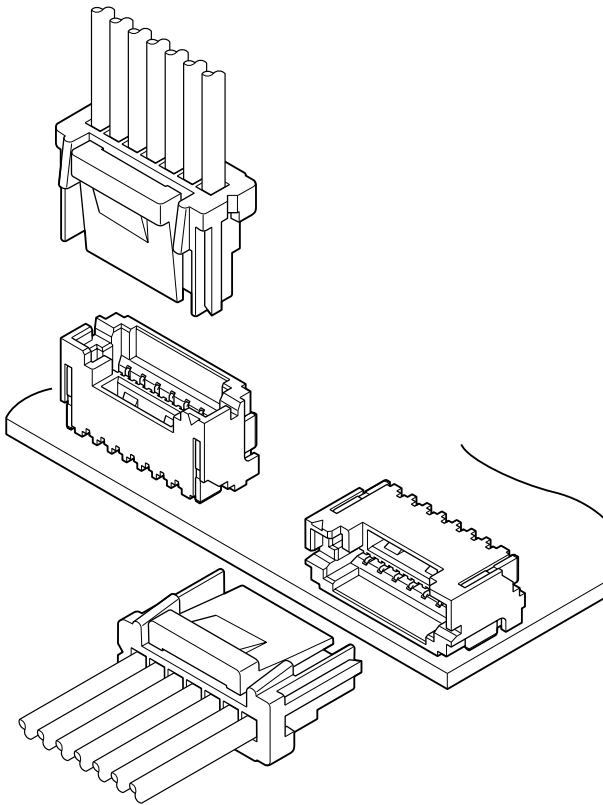
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# ZE CONNECTOR

1.5mm pitch/Disconnectable Crimp style connectors



1.5mm pitch secure lock type connector. Fork-shaped header contact provides the good mating feeling and secure mating operation.

- Secure locking structure
- Contact locking structure

## Specifications

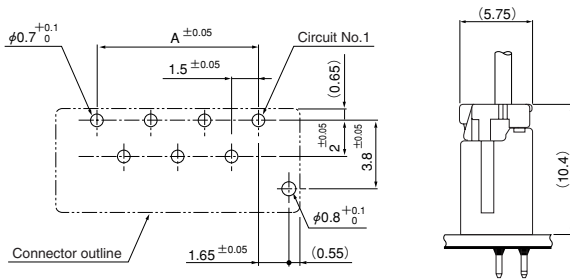
- Current rating: 2A AC, DC (AWG #24)
  - Voltage rating: 100V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/20m Ω max.  
After environmental testing/40m Ω max.
  - Insulation resistance: 500M Ω min.
  - Withstanding voltage: 500V AC/minute
  - Applicable wire: Conductor size/AWG #30 to #24  
Insulation O.D./0.8 to 1.2mm
- \* 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

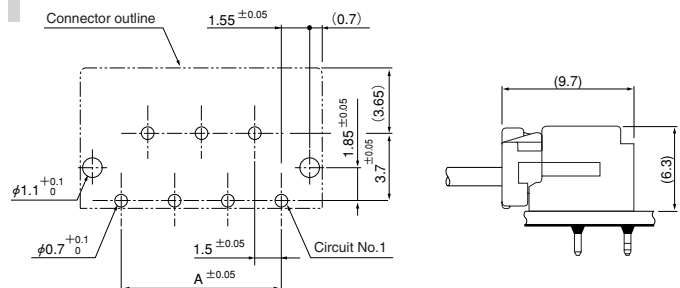
Recognized E60389

## PC board layout (viewed from component side) and Assembly layout

### Top entry type



### Side entry type

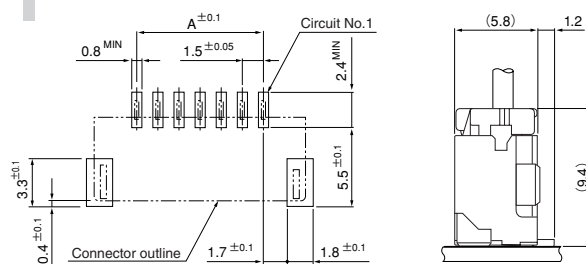


Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

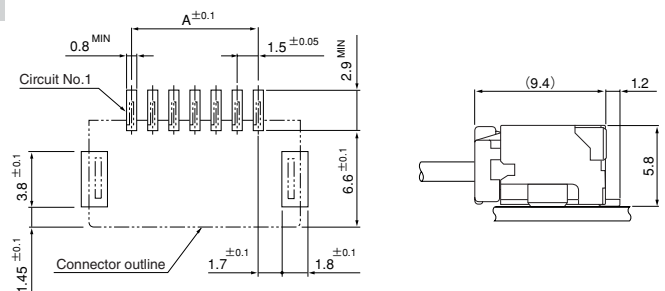
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

### <SMT type>

#### Top entry type



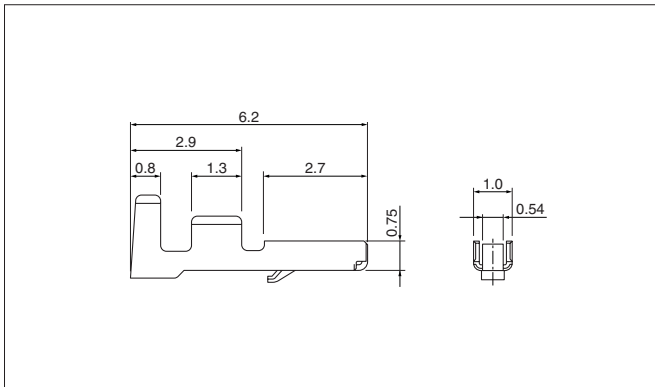
#### Side entry type



Note: 1. Tolerances are non-cumulative: ±0.1mm for all centers.

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

## Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm <sup>2</sup>	AWG#		
<b>SZE-002T-P0.3</b>	0.08~0.21	28~24	0.8~1.2	16,000
<b>SZE-003T-P0.3</b>	0.05~0.13	30~26	0.8~1.0	16,000

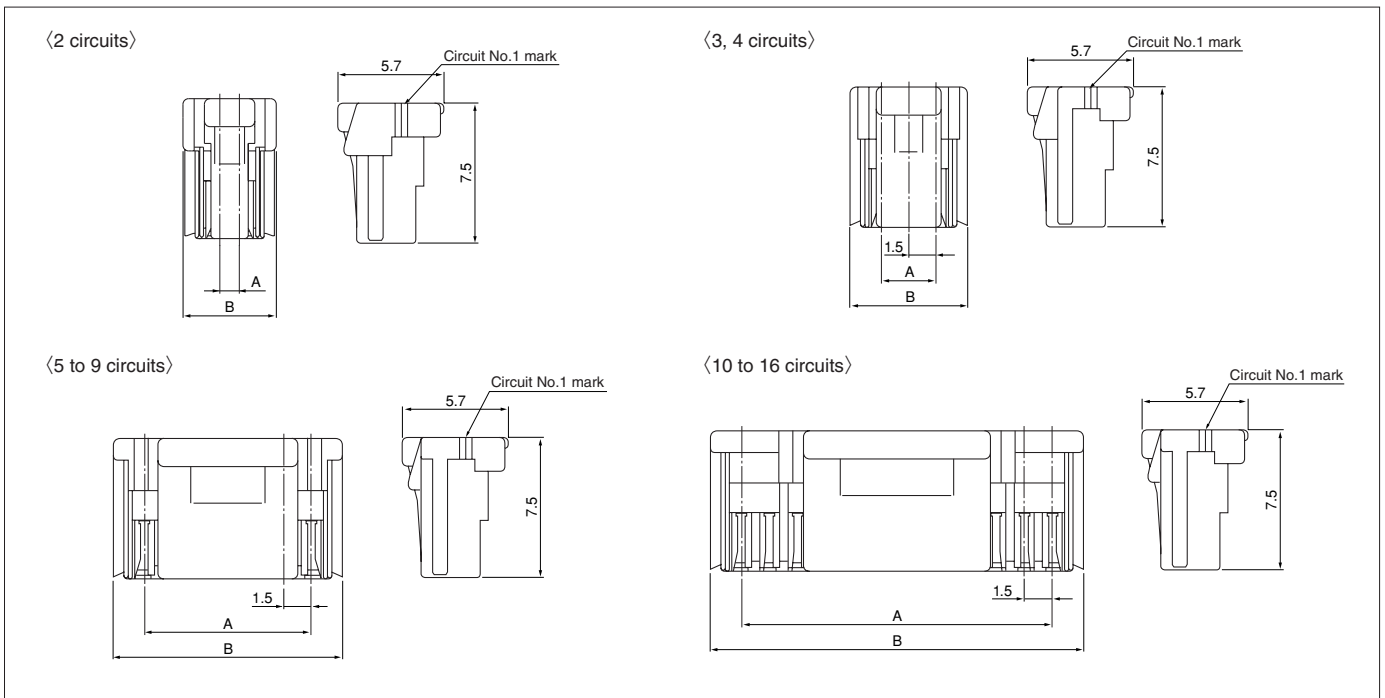
### Material and Finish

Copper alloy, tin-plated (reflow treatment)

### RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
<b>SZE-002T-P0.3</b>	AP-K2N	MKS-L	MK/SZE-002-03	APLMK SZE002-03
		—	—	—
<b>SZE-003T-P0.3</b>	AP-K2N	MKS-L	MK/SZE-003-03	APLMK SZE003-03
		—	—	—

## Housing



Circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
2	<b>ZER-02V-S</b>	1.5	5.0	6,000
3	<b>ZER-03V-S</b>	3.0	6.3	6,000
4	<b>ZER-04V-S</b>	4.5	7.8	5,000
5	<b>ZER-05V-S</b>	6.0	9.3	3,000
6	<b>ZER-06V-S</b>	7.5	10.8	3,000
7	<b>ZER-07V-S</b>	9.0	12.3	2,000
8	<b>ZER-08V-S</b>	10.5	13.8	2,000
9	<b>ZER-09V-S</b>	12.0	15.3	2,000
10	<b>ZER-10V-S</b>	13.5	16.8	2,000
11	<b>ZER-11V-S</b>	15.0	18.3	2,000
12	<b>ZER-12V-S</b>	16.5	19.8	2,000
13	<b>ZER-13V-S</b>	18.0	21.3	2,000
14	<b>ZER-14V-S</b>	19.5	22.8	2,000
15	<b>ZER-15V-S</b>	21.0	24.3	1,500
16	<b>ZER-16V-S</b>	22.5	25.8	1,500

### Material

PBT, UL94V-0, natural

<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. **ZER-02V-S**

S...natural Z...ivory E...blue TR...tomato red MG...moss green  
 DH...dark gray DPK...dark pink L...lemon yellow LE...light blue  
 DO...dark orange DP...dark purple K...black R...red M...green  
 Y...yellow N...brown P...purple FY...vivid yellow PK...pink  
 O...orange

### RoHS compliance

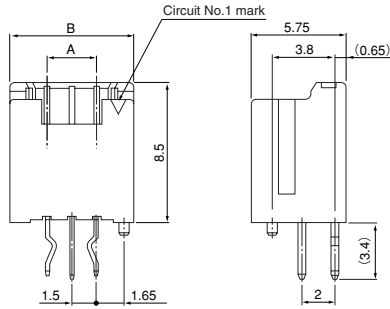


# ZE CONNECTOR

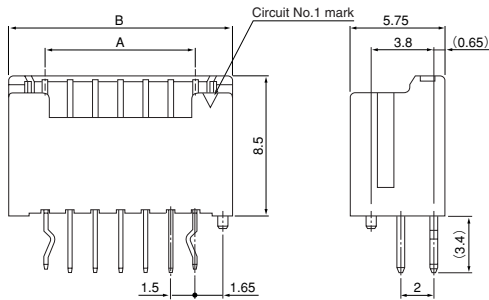
## Through-hole type shrouded header

### Top entry type

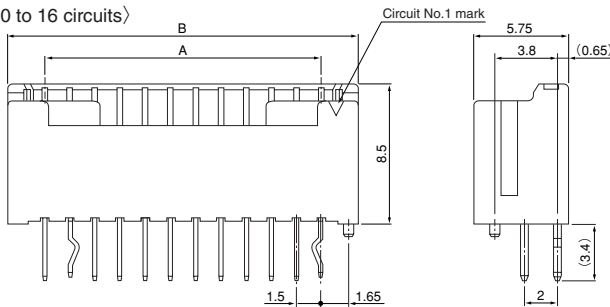
<2 to 5 circuits>



<6 to 9 circuits>

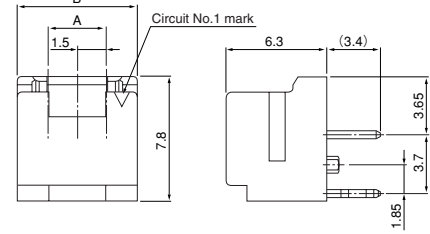


<10 to 16 circuits>

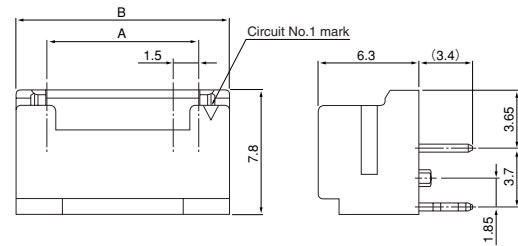


### Side entry type

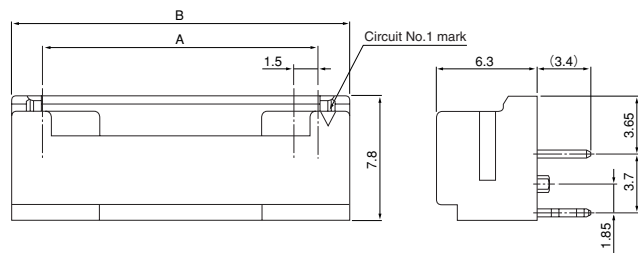
<2 to 5 circuits>



<6 to 9 circuits>



<10 to 16 circuits>



### Top entry type

Circuits	Model No.		Dimensions (mm)		Q'ty / box
	Without boss	With boss	A	B	
2	—	<b>B02B-ZESK-1D</b>	1.5	6.0	2,496
3	<b>B03B-ZESK-D</b>	<b>B03B-ZESK-1D</b>	3.0	7.5	1,984
4	<b>B04B-ZESK-D</b>	<b>B04B-ZESK-1D</b>	4.5	9.0	1,664
5	<b>B05B-ZESK-D</b>	<b>B05B-ZESK-1D</b>	6.0	10.5	1,408
6	<b>B06B-ZESK-D</b>	<b>B06B-ZESK-1D</b>	7.5	12.0	1,216
7	<b>B07B-ZESK-D</b>	<b>B07B-ZESK-1D</b>	9.0	13.5	1,088
8	<b>B08B-ZESK-D</b>	<b>B08B-ZESK-1D</b>	10.5	15.0	960
9	<b>B09B-ZESK-D</b>	<b>B09B-ZESK-1D</b>	12.0	16.5	896
10	<b>B10B-ZESK-D</b>	<b>B10B-ZESK-1D</b>	13.5	18.0	832
11	<b>B11B-ZESK-D</b>	<b>B11B-ZESK-1D</b>	15.0	19.5	768
12	<b>B12B-ZESK-D</b>	<b>B12B-ZESK-1D</b>	16.5	21.0	704
13	<b>B13B-ZESK-D</b>	<b>B13B-ZESK-1D</b>	18.0	22.5	640
14	<b>B14B-ZESK-D</b>	<b>B14B-ZESK-1D</b>	19.5	24.0	576
15	<b>B15B-ZESK-D</b>	<b>B15B-ZESK-1D</b>	21.0	25.5	576
16	<b>B16B-ZESK-D</b>	<b>B16B-ZESK-1D</b>	22.5	27.0	512

#### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Wafer: Glass-filled PA 66, UL94V-0, natural

### Side entry type

Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
2	<b>S02B-ZESK-2D</b>	1.5	6.0	1,872
3	<b>S03B-ZESK-2D</b>	3.0	7.5	1,488
4	<b>S04B-ZESK-2D</b>	4.5	9.0	1,248
5	<b>S05B-ZESK-2D</b>	6.0	10.5	1,056
6	<b>S06B-ZESK-2D</b>	7.5	12.0	912
7	<b>S07B-ZESK-2D</b>	9.0	13.5	816
8	<b>S08B-ZESK-2D</b>	10.5	15.0	720
9	<b>S09B-ZESK-2D</b>	12.0	16.5	672
10	<b>S10B-ZESK-2D</b>	13.5	18.0	624
11	<b>S11B-ZESK-2D</b>	15.0	19.5	576
12	<b>S12B-ZESK-2D</b>	16.5	21.0	528
13	<b>S13B-ZESK-2D</b>	18.0	22.5	480
14	<b>S14B-ZESK-2D</b>	19.5	24.0	432
15	<b>S15B-ZESK-2D</b>	21.0	25.5	432
16	<b>S16B-ZESK-2D</b>	22.5	27.0	384

#### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Wafer: Glass-filled PA 66, UL94V-0, natural

**RoHS compliance** This product displays (LF)(SN) on a label.  
Note: Top entry type 2 circuits is only header with boss.

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

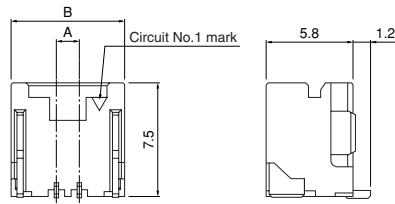
<For reference> As the color identification, the following alphabet shall be put in the underlined part.  
For availability, delivery and minimum order quantity, contact JST.

ex. **B02B-ZESK-1D, S02B-ZESK-2D** S...natural Z...ivory E...blue TR...tomato red MG...moss green DH...dark gray DPK...dark pink  
L...lemon yellow LE...light blue DO...dark orange K...black R...red M...green Y...yellow N...brown P...purple FY...vivid yellow PK...pink O...orange

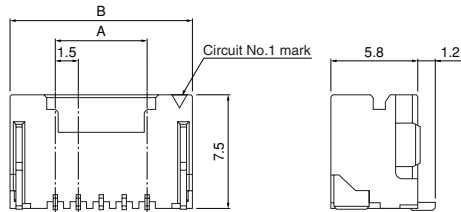
## SMT type shrouded header

### Top entry type

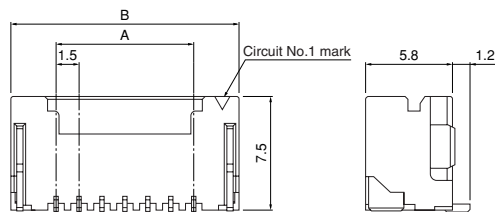
<2 circuits>



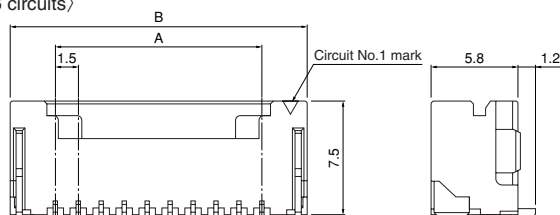
<3 to 5 circuits>



<6 to 9 circuits>

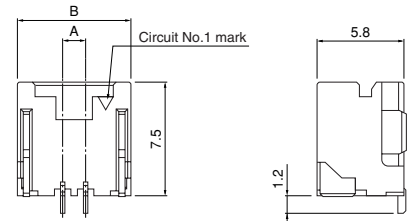


<10 to 16 circuits>

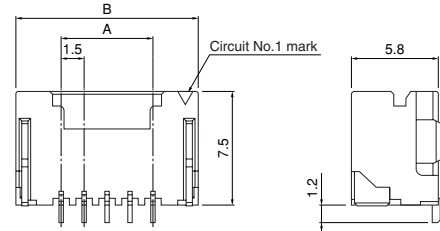


### Side entry type

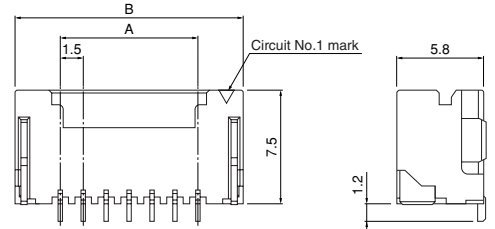
<2 circuits>



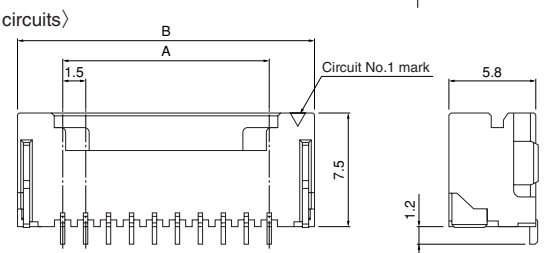
<3 to 5 circuits>



<6 to 9 circuits>



<10 to 16 circuits>



### Top entry type

Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
2	BM02B-ZESS-TBT	1.5	7.5	800
3	BM03B-ZESS-TBT	3.0	9.0	800
4	BM04B-ZESS-TBT	4.5	10.5	800
5	BM05B-ZESS-TBT	6.0	12.0	800
6	BM06B-ZESS-TBT	7.5	13.5	800
7	BM07B-ZESS-TBT	9.0	15.0	800
8	BM08B-ZESS-TBT	10.5	16.5	800
9	BM09B-ZESS-TBT	12.0	18.0	800
10	BM10B-ZESS-TBT	13.5	19.5	800
11	BM11B-ZESS-TBT	15.0	21.0	800
12	BM12B-ZESS-TBT	16.5	22.5	800
13	BM13B-ZESS-TBT	18.0	24.0	800
14	BM14B-ZESS-TBT	19.5	25.5	800
15	BM15B-ZESS-TBT	21.0	27.0	800
16	BM16B-ZESS-TBT	22.5	28.5	800

#### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Wafer: Polyamide, UL94V-0, natural  
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
Note: This products listed above are supplied on embossed-tape/with suction tape.

<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. **BM02B-ZESS-TBT, SM02B-ZESS-TB** S...natural Z...ivory E...blue TR...tomato red MG...moss green DH...dark gray DPK...dark pink  
L...lemon yellow LE...light blue DO...dark orange DP...dark purple

### Side entry type

Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
2	SM02B-ZESS-TB	1.5	7.5	1,000
3	SM03B-ZESS-TB	3.0	9.0	1,000
4	SM04B-ZESS-TB	4.5	10.5	1,000
5	SM05B-ZESS-TB	6.0	12.0	1,000
6	SM06B-ZESS-TB	7.5	13.5	1,000
7	SM07B-ZESS-TB	9.0	15.0	1,000
8	SM08B-ZESS-TB	10.5	16.5	1,000
9	SM09B-ZESS-TB	12.0	18.0	1,000
10	SM10B-ZESS-TB	13.5	19.5	1,000
11	SM11B-ZESS-TB	15.0	21.0	1,000
12	SM12B-ZESS-TB	16.5	22.5	1,000
13	SM13B-ZESS-TB	18.0	24.0	1,000
14	SM14B-ZESS-TB	19.5	25.5	1,000
15	SM15B-ZESS-TB	21.0	27.0	1,000
16	SM16B-ZESS-TB	22.5	28.5	1,000

#### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Wafer: Polyamide, UL94V-0, natural  
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
Note: This products listed above are supplied on embossed-tape/without suction tape.