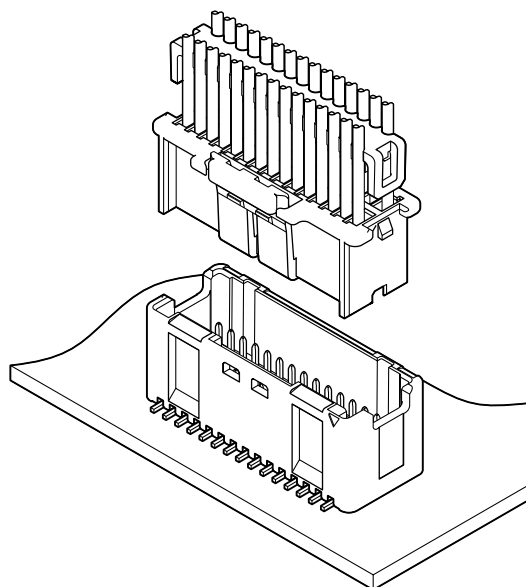


# ZND CONNECTOR

**1.5mm pitch/Disconnectable crimp style**



***This is the potting treatment compatible type 1.5 mm pitch double rows SMT mountable crimping connector with secure locking mechanism, corresponding to the high-density board design. Excellent mating feeling is prepared, and it provides the certain mating operation.***

- Potting treatment compatible type Header
- Secure lock mechanism
- Retainer mountable

## Specifications

- Current rating: 2 A AC, DC (AWG #24)
- Voltage rating: 100 V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.  
After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #28 to #24  
Insulation O.D./ 0.76 to 1.3 mm

\* In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).

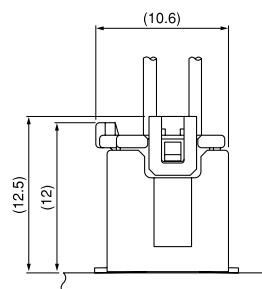
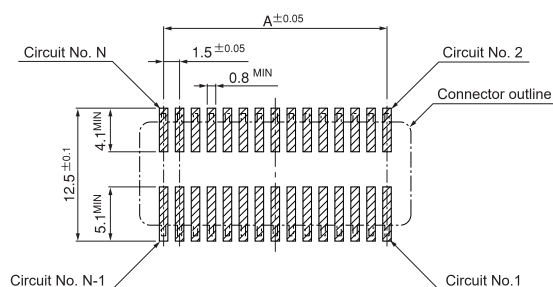
\* Contact JST for details.

\* RoHS2 compliance.

## Standards

Ⓜ Recognized E60389

## PC board layout and Assembly layout

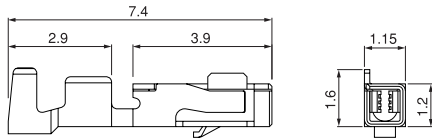


Note: 1. The above figure is the figure viewed from the connector mounting side.

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

# ZND CONNECTOR

## Contact



| Model No.             | Applicable wire |       | Insulation O.D.<br>(mm) | Q'ty/reel |
|-----------------------|-----------------|-------|-------------------------|-----------|
|                       | mm <sup>2</sup> | AWG#  |                         |           |
| <b>SZND-002T-P0.5</b> | 0.08~0.21       | 28~24 | 0.76~1.3                | 23,000    |

### Material and Finish

Copper alloy, tin-plated (reflow treatment)

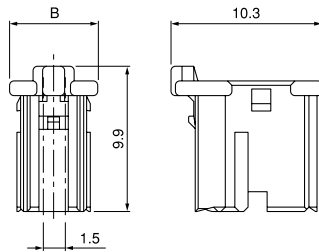
### RoHS2 compliance

| Contact               | Crimping<br>machine | Applicator       |                |                            |
|-----------------------|---------------------|------------------|----------------|----------------------------|
|                       |                     | Crimp applicator | Dies           | Crimp applicator with dies |
| <b>SZND-002T-P0.5</b> | AP-K2N              | MKS-L            | MK/SZND-002-05 | APLMK SZND002-05           |

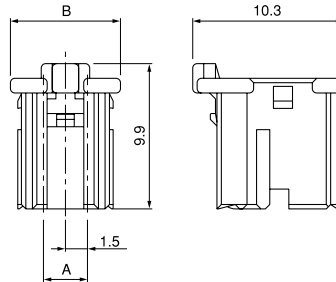
Note: Contact JST for fully automatic crimping applicator.

## Housing

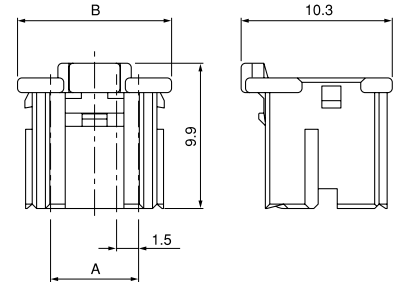
### <4 circuits>



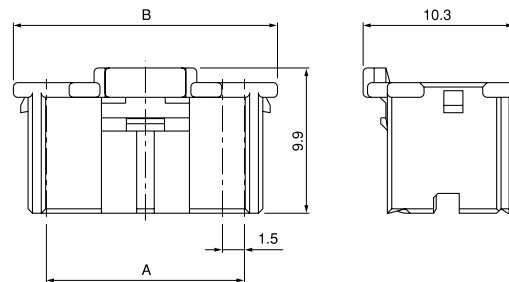
### <6 circuits>



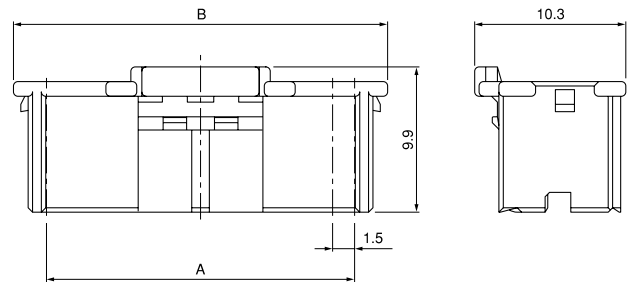
### <8 to 16 circuits>



### <22 to 28 circuits>



### <30 to 36 circuits>



| No. of<br>circuits | Model No.           | Dimensions (mm) |      | Q'ty/<br>bag |
|--------------------|---------------------|-----------------|------|--------------|
|                    |                     | A               | B    |              |
| 4                  | <b>ZNDP-04V-A-S</b> | —               | 6.0  | 1,000        |
| 6                  | <b>ZNDP-06V-A-S</b> | 3.0             | 7.5  | 1,000        |
| 8                  | <b>ZNDP-08V-A-S</b> | 4.5             | 9.0  | 1,000        |
| 10                 | <b>ZNDP-10V-A-S</b> | 6.0             | 10.5 | 1,000        |
| 14                 | <b>ZNDP-14V-A-S</b> | 9.0             | 13.5 | 1,000        |
| 16                 | <b>ZNDP-16V-A-S</b> | 10.5            | 15.0 | 1,000        |
| 22                 | <b>ZNDP-22V-A-S</b> | 15.0            | 19.5 | 1,000        |
| 24                 | <b>ZNDP-24V-A-S</b> | 16.5            | 21.0 | 1,000        |
| 26                 | <b>ZNDP-26V-A-S</b> | 18.0            | 22.5 | 1,000        |
| 28                 | <b>ZNDP-28V-A-S</b> | 19.5            | 24.0 | 1,000        |
| 30                 | <b>ZNDP-30V-A-S</b> | 21.0            | 25.5 | 1,000        |
| 32                 | <b>ZNDP-32V-A-S</b> | 22.5            | 27.0 | 1,000        |
| 34                 | <b>ZNDP-34V-A-S</b> | 24.0            | 28.5 | 1,000        |
| 36                 | <b>ZNDP-36V-A-S</b> | 25.5            | 30.0 | 1,000        |

### Material and Finish

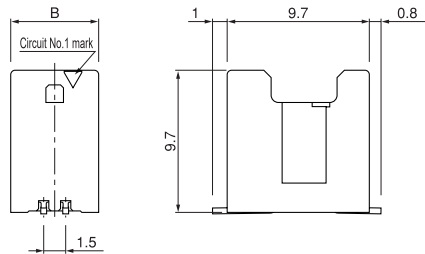
Glass-filled PA 66, UL94V-0, natural

### RoHS2 compliance

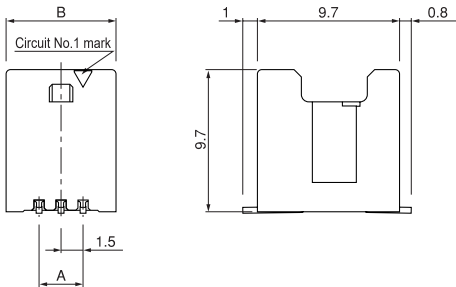
# ZND CONNECTOR

## Header

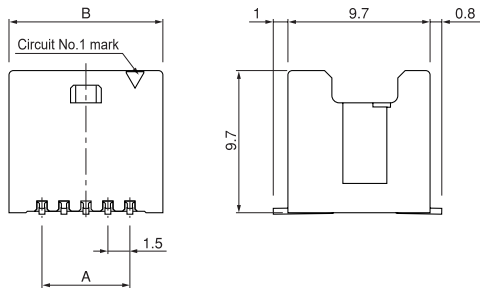
<4 circuits>



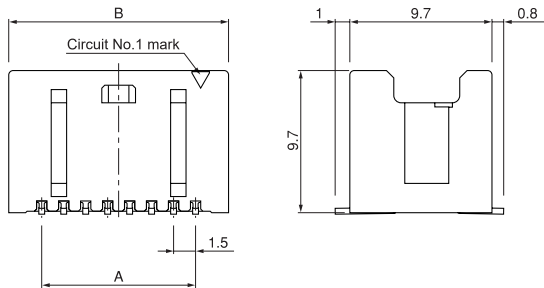
<6 circuits>



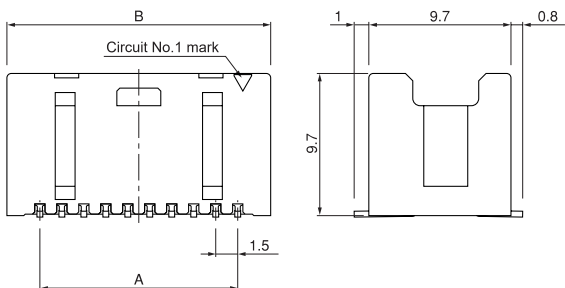
<8 to 14 circuits>



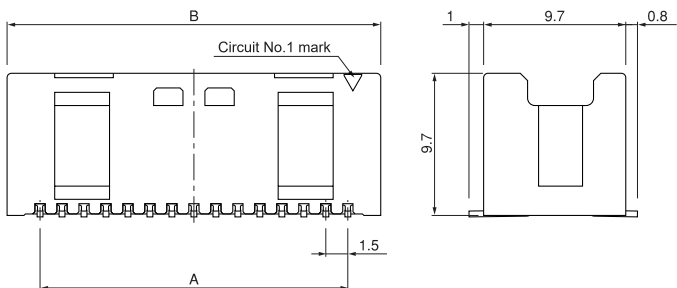
<16 circuits>



<22 to 28 circuits>



<30 to 36 circuits>

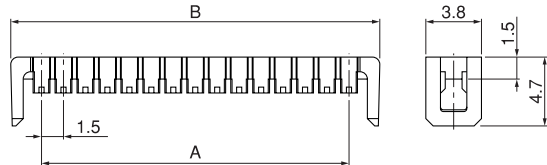


| No. of circuits | Model No.         | Dimensions (mm) |      | Q'ty/ reel |
|-----------------|-------------------|-----------------|------|------------|
|                 |                   | A               | B    |            |
| 4               | BM-04B-ZNDSS-A-TF | —               | 6.0  | 520        |
| 6               | BM-06B-ZNDSS-A-TF | 3.0             | 7.5  | 520        |
| 8               | BM-08B-ZNDSS-A-TF | 4.5             | 9.0  | 520        |
| 10              | BM-10B-ZNDSS-A-TF | 6.0             | 10.5 | 520        |
| 14              | BM-14B-ZNDSS-A-TF | 9.0             | 13.5 | 520        |
| 16              | BM-16B-ZNDSS-A-TF | 10.5            | 15.0 | 520        |
| 22              | BM-22B-ZNDSS-A-TF | 15.0            | 19.5 | 520        |
| 24              | BM-24B-ZNDSS-A-TF | 16.5            | 21.0 | 520        |
| 26              | BM-26B-ZNDSS-A-TF | 18.0            | 22.5 | 520        |
| 28              | BM-28B-ZNDSS-A-TF | 19.5            | 24.0 | 520        |
| 30              | BM-30B-ZNDSS-A-TF | 21.0            | 25.5 | 520        |
| 32              | BM-32B-ZNDSS-A-TF | 22.5            | 27.0 | 520        |
| 34              | BM-34B-ZNDSS-A-TF | 24.0            | 28.5 | 520        |
| 36              | BM-36B-ZNDSS-A-TF | 25.5            | 30.0 | 520        |

### Material and Finish

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

## Retainer



| No. of circuits | Model No.         | Dimensions (mm) |      | Q'ty/bag |
|-----------------|-------------------|-----------------|------|----------|
|                 |                   | A               | B    |          |
| 4               | <b>ZNDS-04V-K</b> | —               | 5.7  | 2,000    |
| 6               | <b>ZNDS-06V-K</b> | 3.0             | 7.2  | 2,000    |
| 8               | <b>ZNDS-08V-K</b> | 4.5             | 8.7  | 2,000    |
| 10              | <b>ZNDS-10V-K</b> | 6.0             | 10.2 | 2,000    |
| 14              | <b>ZNDS-14V-K</b> | 9.0             | 13.2 | 2,000    |
| 16              | <b>ZNDS-16V-K</b> | 10.5            | 14.7 | 2,000    |
| 22              | <b>ZNDS-22V-K</b> | 15.0            | 19.2 | 2,000    |
| 24              | <b>ZNDS-24V-K</b> | 16.5            | 20.7 | 2,000    |
| 26              | <b>ZNDS-26V-K</b> | 18.0            | 22.2 | 2,000    |
| 28              | <b>ZNDS-28V-K</b> | 19.5            | 23.7 | 2,000    |
| 30              | <b>ZNDS-30V-K</b> | 21.0            | 25.2 | 2,000    |
| 32              | <b>ZNDS-32V-K</b> | 22.5            | 26.7 | 2,000    |
| 34              | <b>ZNDS-34V-K</b> | 24.0            | 28.2 | 2,000    |
| 36              | <b>ZNDS-36V-K</b> | 25.5            | 29.7 | 2,000    |

### Material and Finish

Glass-filled PA 66, UL94V-0, black

RoHS2 compliance

## Model number identification

### Contact

**S ZND - 002 T - P 0.5**

Form: S --- Strip form

Series name

Applicable wire: 002 --- AWG #28 to #24

Surface finish: T --- Tin-plated (reflow treatment)

Material: P --- Copper alloy

Terminal size

### Housing

**ZND P - 04 V - A - S**

Series name

Part name: Plug

No. of circuits: 4, 6, 8, 10, 14, 16, 22, 24, 26, 28, 30, 32, 34, 36

Flammability: V --- UL94V-0

Key pattern: A --- Key pattern A

Color indication: S --- Natural

### Header

**BM 04 B - ZND S S - A - TF**

Assembly style: BM --- SMT Top entry type

No. of circuits: 4, 6, 8, 10, 14, 16, 22, 24, 26, 28, 30, 32, 34, 36

Part name: Header

Series name

Color indication: S --- Natural

Indication of clinch: S --- Straight pin

Key pattern: A --- Key pattern A

Packaging style: TF --- Embossed-taping

### Retainer

**ZND S - 04 V - K**

Series name

Part name: Retainer

No. of circuits: 4, 6, 8, 10, 14, 16, 22, 24, 26, 28, 30, 32, 34, 36

Flammability: V --- UL94V-0

Color indication: K --- Black