ZE CONNECTOR
1.5 mm pitch/Disconnectable Crimp style connectors

1.5 mm 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: 2 A AC/DC (AWG #24)
- Voltage rating: 100 V AC/DC
- Temperature range: -25℃ to +85℃ (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
  After environmental tests/ 40 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #30 to #24
  Insulation O.D./ 0.76 to 1.2 mm

* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

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

<SMT type>

Top entry type

Note:
1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances for the centers of pattern on PCB is ± 0.05, and shall be not cumulative more than ± 0.1.
   The dimensions above should serve as a guideline. Contact JST for details.

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<SMT type>

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

**Contact**

![Diagram of Contact]

**Housing**

- **<2 circuits>**
  - A
  - B
  - 5.7 Circuit No.1 mark

- **<3, 4 circuits>**
  - A
  - B
  - 5.7 Circuit No.1 mark

- **<5 to 9 circuits>**
  - A
  - B
  - 5.7 Circuit No.1 mark

- **<10 to 16 circuits>**
  - A
  - B
  - 5.7 Circuit No.1 mark

**Material and Finish**

- Copper alloy, tin-plated (reflow treatment)

**RoHS2 Compliance**

- Copper alloy, tin-plated (reflow treatment)

**Model No.**

- **Applicable wire**
- **Insulation O.D.**
- **Q'ty/ reeler**
- **Dimensions (mm)**
- **AWG #**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D.</th>
<th>Q'ty/ reeler</th>
</tr>
</thead>
<tbody>
<tr>
<td>SZE-002T-P0.3</td>
<td>0.08 to 0.21</td>
<td>28 to 24</td>
<td>16,000</td>
</tr>
<tr>
<td>SZE-003T-P0.3</td>
<td>0.05 to 0.13</td>
<td>30 to 26</td>
<td>16,000</td>
</tr>
</tbody>
</table>

**Material and Finish**

- PBT, UL94V-0, natural

**RoHS2 Compliance**

- Contact JST for fully automatic crimping applicator.

---

**Contact Crimping machine**

- MK/SZE-002-03
- AP/JMK/SZE003-02

**Applicator**

- MK/SZE-002-03
- AP/JMK/SZE003-02

**Note:**

Contact JST for fully automatic crimping applicator.
Header (DIP type)

### Top entry type

<table>
<thead>
<tr>
<th>&lt;2 to 5 circuits&gt;</th>
<th>&lt;6 to 9 circuits&gt;</th>
<th>&lt;10 to 16 circuits&gt;</th>
</tr>
</thead>
</table>

#### Dimensions (mm)

- **A** 1.5
- **B** 6.0
- **Q’ty/box** 2,496

#### Model No.

- **B02B-ZESK-1D**
- **B03B-ZESK-1D**
- **B04B-ZESK-1D**
- **B05B-ZESK-1D**
- **B06B-ZESK-1D**
- **B07B-ZESK-1D**
- **B08B-ZESK-1D**
- **B09B-ZESK-1D**
- **B10B-ZESK-1D**
- **B11B-ZESK-1D**
- **B12B-ZESK-1D**
- **B13B-ZESK-1D**
- **B14B-ZESK-1D**
- **B15B-ZESK-1D**
- **B16B-ZESK-1D**

#### Material and Finish

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

#### RoHS2 compliance

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

**Note:** Top entry type 2 circuits is only header with boss.

---

### Side entry type

<table>
<thead>
<tr>
<th>&lt;2 to 5 circuits&gt;</th>
<th>&lt;6 to 9 circuits&gt;</th>
<th>&lt;10 to 16 circuits&gt;</th>
</tr>
</thead>
</table>

#### Dimensions (mm)

- **A** 1.5
- **B** 6.0
- **Q’ty/box** 2,496

#### Model No.

- **S02B-ZESK-2D**
- **S03B-ZESK-2D**
- **S04B-ZESK-2D**
- **S05B-ZESK-2D**
- **S06B-ZESK-2D**
- **S07B-ZESK-2D**
- **S08B-ZESK-2D**
- **S09B-ZESK-2D**
- **S10B-ZESK-2D**
- **S11B-ZESK-2D**
- **S12B-ZESK-2D**
- **S13B-ZESK-2D**
- **S14B-ZESK-2D**
- **S15B-ZESK-2D**
- **S16B-ZESK-1D**

#### Material and Finish

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

#### RoHS2 compliance

This product displays (LF)(SN) on a label.
# ZE CONNECTOR

## Header (SMT type)

### Top entry type

<2 circuits>

![Diagram](image1)

<3 to 5 circuits>

![Diagram](image2)

<6 to 9 circuits>

![Diagram](image3)

<10 to 16 circuits>

![Diagram](image4)

### Side entry type

<2 circuits>

![Diagram](image5)

<3 to 5 circuits>

![Diagram](image6)

<6 to 9 circuits>

![Diagram](image7)

<10 to 16 circuits>

![Diagram](image8)

## Table: Top entry type

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

### Table: Side entry type

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

### 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)

### RoHS2 compliance

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

### Note

The products listed above are supplied on embossed-tape/with suction tape.
ZE CONNECTOR

Model number allocation

Contact

S ZE - 002 T - P 0.3

- Form: S—Strip form
- Series name
- Applicable wire range: 002—AWG #28 to #24
  003—AWG #30 to #26
- Surface finish: T—Tin-plated (reflow treatment)
- Material: P—Phosphor bronze
- Terminal size

Header (DIP type)

B 02 B - ZE S K - D

- Shape of assembled product:
  B—Top entry type, S—Side entry type
- No. of circuits: 2 to 16
- Part name: Header
- Series name
- Indication of clinch: K—Clinched, S—Straight pin
- Shape: Top entry type/1—With boss, None—Without boss
  (Only top entry type 2-circuit is a product with boss.)
  Side entry type/2—With boss
- Sub model number: D—Normal type, None—Colored product

Header (SMT type)

BM 02 B - ZE S S - TB T

- Shape of assembled product:
  BM—Top entry type
  SM—Side entry type
- No. of circuits: 2 to 16
- Part name: Header
- Series name
- Indication of clinch: S—Straight pin
- Packaging style: TB—Embossed-taping
- Suction tape: None—Without suction tape, T—With suction tape
- Model number “BM” (Top entry type) has suction tape, and “T” is given to the end of model number.
- Model number “SM” (Side entry type) has no suction tape, and “T” is not given to the end of model number.

Housing

ZE R - 02 V S

- Series name
- Part name: Socket
- No. of circuits: 2 to 16
- Flammability: V—UL94V-0

Contact

Header (DIP type)

B 02 B - ZE S K - D

- Shape of assembled product:
  B—Top entry type, S—Side entry type
- No. of circuits: 2 to 16
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