**XA CONNECTOR**

2.5mm pitch/Disconnectable Crimp style connectors

- Secure locking device
- Solder crack preventive material
- Low insertion force
- Insertion guide mechanism
- Applicable to automatic board mounting machine
- Polarizing boss

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**Specifications**

- Current rating: 3A AC DC (AWG #22, #20)
- Voltage rating: 250V AC DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max. After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AWG #28 to #20
- Applicable PC board thickness: 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
- Certified LR20812
- R9851220

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

**Through-hole type**

- Top entry type
  - without a boss
  - with a boss

- Side entry type

**SMT type**

- Top 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.
XA CONNECTOR

Contact

Model No. | Applicable wire | Qty / reel
---|---|---
SXA-001T-P0.6 | 0.06～0.33 | 26～22 | 0.8～1.9 | 8,000
SXA-01T-P0.6 | 0.22～0.5 | 24～20 | 1.5～1.9 | 8,000
SXA-001T-P0.6L | 0.13～0.33 | 26～22 | 1.3～1.7 | 8,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance
Note 1. SXA-001T-P0.6L is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration. The crimp height is different from the standard contact.

2. Contact JST for gold-plated products.

RoHS compliance

Housing

Note: 1. SXA-001T-P0.6L is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration. The crimp height is different from the standard contact.

2. Contact JST for gold-plated products.
### Retainer

![Retainer Diagram]

**Material and Finish**
Glass-filled PA 66, UL94V-0, natural (ivory)

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

**Through-hole type shrouded header**

#### Top entry type without a boss

![Top Entry Without a Boss Diagram]

#### Top entry type with a boss

![Top Entry With a Boss Diagram]

#### Side entry type with a hook

![Side Entry With Hook Diagram]

<table>
<thead>
<tr>
<th>Top entry type with a boss</th>
<th>Side entry type with a hook</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model No.</strong></td>
<td><strong>Dimensions (mm)</strong></td>
</tr>
<tr>
<td>Without a boss</td>
<td>With a boss</td>
</tr>
<tr>
<td><strong>Circuit</strong></td>
<td><strong>A</strong></td>
</tr>
<tr>
<td>2</td>
<td>B02B-XASK-1</td>
</tr>
<tr>
<td>3</td>
<td>B03B-XASK-1</td>
</tr>
<tr>
<td>4</td>
<td>B04B-XASK-1</td>
</tr>
<tr>
<td>5</td>
<td>B05B-XASK-1</td>
</tr>
<tr>
<td>6</td>
<td>B06B-XASK-1</td>
</tr>
<tr>
<td>7</td>
<td>B07B-XASK-1</td>
</tr>
<tr>
<td>8</td>
<td>B08B-XASK-1</td>
</tr>
<tr>
<td>9</td>
<td>B09B-XASK-1</td>
</tr>
<tr>
<td>10</td>
<td>B10B-XASK-1</td>
</tr>
<tr>
<td>11</td>
<td>B11B-XASK-1</td>
</tr>
<tr>
<td>12</td>
<td>B12B-XASK-1</td>
</tr>
<tr>
<td>13</td>
<td>B13B-XASK-1</td>
</tr>
<tr>
<td>14</td>
<td>B14B-XASK-1</td>
</tr>
<tr>
<td>15</td>
<td>B15B-XASK-1</td>
</tr>
<tr>
<td>20</td>
<td>B20B-XASK-1</td>
</tr>
</tbody>
</table>

**Material and Finish**
Pin: Copper alloy, 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:** Contact JST for gold-plated products.

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**Footnotes:**
1. Dimension D…See PC board layout.
2. Contact JST for gold-plated products.

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**For reference:** As the color identification, the following alphabet shall be put in the underlined part.

- S…natural (ivory)
- K…black
- R…red
- E…blue
- M…green
- Y…yellow

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

**Ex.:** S02B-XASK-1

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**JST**
Through-hole type shrouded header

**N type**

Top entry type without a boss

![Diagram of N type without a boss]

Top entry type with a boss

![Diagram of N type with a boss]

Side entry type without a hook

![Diagram of Side entry type without a hook]

**Material and Finish**

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

**RoHS compliance**

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

Note: Not TÜV approved.

*<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-XASK-1N-A

S…natural (white)
K…black R…red E…blue Y…yellow L…lemon yellow
M…green O…orange N…brown H…gray P…purple
LE…light blue PK…pink FY…vivid yellow

**Circuits**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty / box</td>
</tr>
<tr>
<td>Without a boss</td>
<td>A</td>
</tr>
<tr>
<td>With a boss</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>2.5</td>
</tr>
<tr>
<td>3</td>
<td>5.0</td>
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<tr>
<td>4</td>
<td>7.5</td>
</tr>
<tr>
<td>5</td>
<td>10.0</td>
</tr>
<tr>
<td>6</td>
<td>12.5</td>
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<tr>
<td>7</td>
<td>15.0</td>
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<td>8</td>
<td>17.5</td>
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<td>13</td>
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<tr>
<td>14</td>
<td>32.5</td>
</tr>
<tr>
<td>15</td>
<td>35.0</td>
</tr>
<tr>
<td>16</td>
<td>42.5</td>
</tr>
</tbody>
</table>

**Material and Finish**

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

**RoHS compliance**

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

Note: Not TÜV approved.

*1. As for side entry type, we recommend to use a product with a boss (hook) because stress is applied directly to fillet part when handling the wire. When using the side entry type product without a boss (hook), please handle the wire with care.*

*2. Not TÜV approved.*
SMT type shrouded header

(2 circuits)

(3 to 15 circuits)

Through-hole type shrouded header on radial-tape

Top entry type without a boss

Top entry type with a boss

Material and Finish

RoHS compliance

Taping specifications

Note: Conforms to JIC C 0806 of "Tape packaging of components with unidirectional leads on continuous tapes".
Packaging specifications

<table>
<thead>
<tr>
<th>Package type</th>
<th>Flat pack (zigzag folded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance between folds</td>
<td>24 indexing holes per fold (304.8mm)</td>
</tr>
<tr>
<td>Box size</td>
<td>316(W) × 45(D) × 330(H) mm</td>
</tr>
<tr>
<td>Distance between the end of the tape and the first connector’s center line (either end)</td>
<td>19.05mm</td>
</tr>
<tr>
<td>Quantity</td>
<td>2, 3 circuits: 1,000 pcs. / box</td>
</tr>
<tr>
<td></td>
<td>4~6 circuits: 500 pcs. / box</td>
</tr>
</tbody>
</table>

Note: Products of different packaging specifications are also available. Contact JST for details.