The XH connector was developed based on the high reliability and versatility of our NH series connectors. The connector is very small with a mounting height of 9.8 mm.

- Original folded beam contact
- Box-shaped shrouded header
- Header with a boss
- Interchangeability
- Conforming to the HA terminal

**Specifications**

- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 250 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: 1,000 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AWG #30 to #22
- Applicable PC board thickness: 1.6 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
- J50014297

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**Through-hole type (viewed from soldening side)**

**Top entry type**

- 2 circuits: φ1.1 +0.1
- 3 circuits or more: φ0.9 +0.1

**Top entry type with a boss**

- <Single circuit>

**Side entry type**

- 2.5 ±0.05 (2.5 min.)
- 3.4 (2.5 min.)

**<2 circuits or more>**

- 2 circuits: φ1.0 +0.05
- 3 circuits or more: φ0.9 +0.05

**Note:**

1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. Hole dimensions differ according to the type 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.

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**SMT type (viewed from connector mounting side)**

**Side entry type**

- 6.5 (14.3)
- 7.6

**Note:**

1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.
RoHS2 compliance

Note:
1. XHP-2(10.0)-U is 2 circuits 10.0 mm pitch plugged up.
   Unlisted in UL/TÜV.
2. XHP-6(5.0)-U is 6 circuits 5.0 mm pitch plugged up.
   Unlisted in UL/TÜV.

<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. XHP-1-oo-
   (blank)...natural (white)
   BK...black R...red E...blue Y...yellow L...lemon yellow
   M...green D...orange N...brown FY...vivid yellow

<Plugged up type>
ex. XHP-2(10.0)-U-oo-
   (blank)...natural (white)
   R...red E...blue

---

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

RoHS2 compliance
Note:
1. Contact JST if you require gold-plated contacts or contacts made of brass.
2. Contact JST also if you require shielded wires, thin wires or other special wires.
3. SXH-001T-P0.6N is low-insertion force type contact, for easier insertion/withdrawal, which would be less resistant to the vibration.

Contact Crimping machine Crimp applicator Dies Crimp applicator with dies
SXH-001T-P0.6N MK/SXH-001-06N APLUK 55101-06N
SXH-001T-P0.6 MK/SXH-001-06 APLUK 55101-06
SXH-002T-P0.6 MK/SXH-002-06 APLUK 55102-06

Note: Contact JST for fully automatic crimping applicator.

---

Material and Finish
PA 6, UL94V-0, natural (white)

RoHS2 compliance
Note:
1. XHP-2(10.0)-U is 2 circuits 10.0 mm pitch plugged up.
   Unlisted in UL/TÜV.
2. XHP-6(5.0)-U is 6 circuits 5.0 mm pitch plugged up.
   Unlisted in UL/TÜV.

<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. XHP-1-oo-
   (blank)...natural (white)
   BK...black R...red E...blue Y...yellow L...lemon yellow
   M...green D...orange N...brown FY...vivid yellow

---

Model No. Shape Applicable Wire Insulation O.D Qty/bag

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Shape</th>
<th>Applicable Wire</th>
<th>Insulation O.D</th>
<th>Qty/bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>SXH-001T-P0.6N</td>
<td>A</td>
<td>0.13~0.33</td>
<td>26~22</td>
<td>5,000</td>
</tr>
<tr>
<td>SXH-001T-P0.6</td>
<td>B</td>
<td>0.08~0.33</td>
<td>28~22</td>
<td>8,000</td>
</tr>
</tbody>
</table>

---

No. of circuits Model No. Dimensions (mm) Qty/bag

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty/bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>XHP-1</td>
<td>— 3.2 4.8</td>
<td>1,000</td>
</tr>
<tr>
<td>2</td>
<td>XHP-2</td>
<td>2.5 5.7 7.3</td>
<td>1,000</td>
</tr>
<tr>
<td>2</td>
<td>XHP-2(10.0)-U</td>
<td>10.0 13.2 14.8</td>
<td>1,000</td>
</tr>
<tr>
<td>3</td>
<td>XHP-3</td>
<td>5.0 8.2 9.8</td>
<td>1,000</td>
</tr>
<tr>
<td>4</td>
<td>XHP-4</td>
<td>7.5 10.7 12.3</td>
<td>1,000</td>
</tr>
<tr>
<td>5</td>
<td>XHP-5</td>
<td>10.0 13.2 14.8</td>
<td>1,000</td>
</tr>
<tr>
<td>6</td>
<td>XHP-6</td>
<td>12.5 15.7 17.3</td>
<td>1,000</td>
</tr>
<tr>
<td>6</td>
<td>XHP-6(5.0)-U</td>
<td>25.0 28.2 29.8</td>
<td>1,000</td>
</tr>
<tr>
<td>7</td>
<td>XHP-7</td>
<td>15.0 18.2 19.8</td>
<td>1,000</td>
</tr>
<tr>
<td>8</td>
<td>XHP-8</td>
<td>17.5 20.7 22.3</td>
<td>1,000</td>
</tr>
<tr>
<td>9</td>
<td>XHP-9</td>
<td>20.0 23.2 24.8</td>
<td>1,000</td>
</tr>
<tr>
<td>10</td>
<td>XHP-10</td>
<td>22.5 25.7 27.3</td>
<td>1,000</td>
</tr>
<tr>
<td>11</td>
<td>XHP-11</td>
<td>25.0 28.2 29.8</td>
<td>1,000</td>
</tr>
<tr>
<td>12</td>
<td>XHP-12</td>
<td>27.5 30.7 32.3</td>
<td>1,000</td>
</tr>
<tr>
<td>13</td>
<td>XHP-13</td>
<td>30.0 33.2 34.8</td>
<td>1,000</td>
</tr>
<tr>
<td>14</td>
<td>XHP-14</td>
<td>32.5 35.7 37.3</td>
<td>1,000</td>
</tr>
<tr>
<td>15</td>
<td>XHP-15</td>
<td>35.0 38.2 39.8</td>
<td>1,000</td>
</tr>
<tr>
<td>16</td>
<td>XHP-16</td>
<td>37.5 40.7 42.3</td>
<td>1,000</td>
</tr>
<tr>
<td>20</td>
<td>XHP-20</td>
<td>47.5 50.7 52.3</td>
<td>500</td>
</tr>
</tbody>
</table>

---

<Plugged up type>
ex. XHP-2(10.0)-U-oo-
   (blank)...natural (white)
   R...red E...blue
Through-hole type shrouded header

The shrouded headers are interchangeable with those of the NR and NRD insulation displacement connectors, and JQ board-to-board connectors.

Through-hole type shrouded header

Top entry type

● plugged up

Through-hole type

<2 circuits>

<3 circuits or more>

Side entry type

Top entry type of glass-filled nylon

<2 circuits>

<3 to 8 circuits>

<9 circuits or more>

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 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. S3B-XH-A(-1)-oo-
(blank)...natural (ivory)
BK...black   R...red   E...blue   Y...yellow   M...green   D...orange   N...brown   FY...vivid yellow

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 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. B2B-XH-A(-2)-oo-
(blank)...natural (ivory)
C...black R...red E...blue Y...yellow M...green
**XH CONNECTOR**

**Through-hole type shrouded header**

The shrouded headers are interchangeable with those of the NR and NRD insulation displacement connectors, and JQ board-to-board connectors.

**Top entry type with a boss**

- **<1 circuit>**
- **<2 circuits>**
- **<3 circuits or more>**

**SMT type shrouded header**

---

**Material and Finish**

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, natural (white)

RoHS2 compliance This product displays (LF)(SN) on a label.
Note: *Marked product is not UL/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. B1B-XH-AM-oo-
(blank)...natural (white)
BK...black R...red E...blue Y...yellow L...lemon yellow M...green
XH CONNECTOR

Through-hole type shrouded header on radial-tape

TV4 type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>B2B-XH-2-TV4</td>
<td>A 2.45 B 6.75</td>
</tr>
<tr>
<td>3</td>
<td>B3B-XH-TV4</td>
<td>5.0           9.9   1.000</td>
</tr>
<tr>
<td>4</td>
<td>B4B-XH-TV4</td>
<td>7.5           12.4  500</td>
</tr>
<tr>
<td>5</td>
<td>B5B-XH-2-TV4</td>
<td>10.0          14.9  500</td>
</tr>
<tr>
<td>6</td>
<td>B6B-XH-2-TV4</td>
<td>12.5          17.4  500</td>
</tr>
<tr>
<td>7</td>
<td>B7B-XH-2-TV4</td>
<td>15.0          19.9  500</td>
</tr>
<tr>
<td>8</td>
<td>B8B-XH-2-TV4</td>
<td>17.5          22.4  500</td>
</tr>
</tbody>
</table>

2-TV4 type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;2 circuits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-2-TV4 type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;3 to 8 circuits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RoHS2 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.

ex. B2B-XH-2-TV4-oo-

BL...black  R...red  W...white  Y...yellow  G...green

Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: TV4 type/PA 66, UL94V-0, natural (white)
2-2-TV4 type/Glass-filled PA 66, UL94V-0, natural (ivory)

Taping specification

Packaging specifications

Note: Conforms to JIC C 0806 of “Tape packaging of components with unidirectional leads on continuous tapes”.

Distance between the end of the tape and the first connector’s center line (either end)

Package type: Flat pack (zigzag folded)
Distance between folds: 24 indexing holes per fold (304.8 mm)
Box size: 316(W) × 45(D) × 330(H) mm
Distance between the end of the tape and the first connector’s center line (either end): 19.05 mm
Quantity:
- 2~3 circuits: 1,000 pcs./box
- 4~8 circuits: 500 pcs./box

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