# XA CONNECTOR (Compatible with glow wire test)

## 2.5mm pitch/Disconnectable Crimp style connectors



- *Secure locking device*
- *Solder crack preventive material*
- *Low insertion force*
- *Insertion guide mechanism*
- *Polarizing boss*
- *Compatible with glow wire test*

## Specifications

- Current rating: 3A AC DC (AWG #22, #20)
- Voltage rating: 250V AC DC
- Temperature range: -25°C to +105°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

* Contact JST for overseas standard.
* Compliant with RoHS.
* Contact JST for Halogen-free product, etc.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
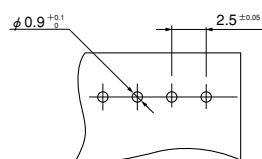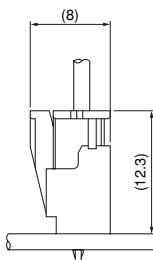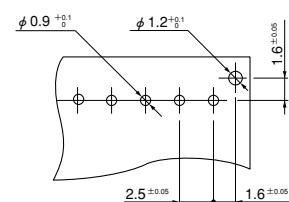
〈*Through-hole type*〉
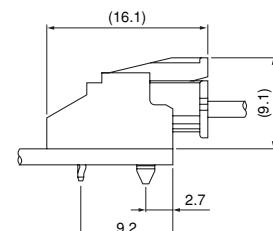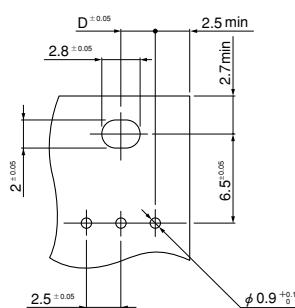
### Top entry type
#### without a boss



#### with a boss



### Side entry type



Dimension D: Refer to the Model No. chart of header side entry type.
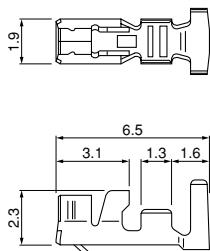
Note: 1. The above figure is the figure viewed form the connector mounting side.
   2. Tolerances are non-cumulative: ±0.05mm for all centers.
   3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

# XA CONNECTOR (Compatible with glow wire test)

## Contact



| Model No. | Applicable wire | | | Q'ty / reel |
|---|---|---|---|---|
| | mm² | AWG# | Insulation O.D. (mm) | |
| **SXA-001T-P0.6** | 0.08～0.33 | 28～22 | 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.
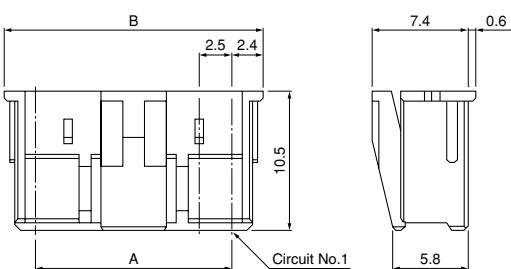
| Contact | Crimping machine | Applicator | | |
|---|---|---|---|---|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| **SXA-001T-P0.6** | AP-K2N | MKS-L | MK/SXA/M-001-06 | APLMK SXA/M001-06 |
| | | *MKS-SC | SC/SXA/M-001-06 | APLSC SXA/M001-06 |
| **SXA-001T-P0.6L** | | MKS-L | MK/SXA-001-06L | APLMK SXA001-06L |
| | | *MKS-SC | SC/SXA-001-06L | APLSC SXA001-06L |

| Contact | Crimping machine | Applicator | | |
|---|---|---|---|---|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| **SXA-01T-P0.6** | AP-K2N | MKS-L | MK/SXA/M-01-06 | APLMK SXA/M01-06 |
| | | *MKS-SC | SC/SXA/M-01-06 | APLSC SXA/M01-06 |

Note: *Strip-crimp applicator

## Housing

### ■ Retainer mountable type
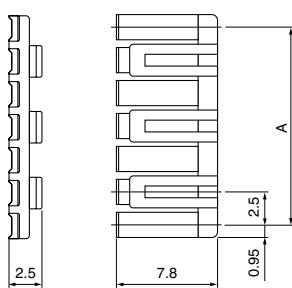


| Circuits | Model No. | Dimensions (mm) | | Q'ty / bag |
|---|---|---|---|---|
| | | A | B | |
| 2 | **XARP-02V-WGT4** | 2.5 | 7.3 | 1,000 |
| 3 | **XARP-03V-WGT4** | 5.0 | 9.8 | 1,000 |
| 4 | **XARP-04V-WGT4** | 7.5 | 12.3 | 1,000 |
| 5 | **XARP-05V-WGT4** | 10.0 | 14.8 | 1,000 |
| 6 | **XARP-06V-WGT4** | 12.5 | 17.3 | 1,000 |
| 7 | **XARP-07V-WGT4** | 15.0 | 19.8 | 1,000 |
| 8 | **XARP-08V-WGT4** | 17.5 | 22.3 | 1,000 |
| 9 | **XARP-09V-WGT4** | 20.0 | 24.8 | 1,000 |
| 10 | **XARP-10V-WGT4** | 22.5 | 27.3 | 1,000 |
| 11 | **XARP-11V-WGT4** | 25.0 | 29.8 | 1,000 |
| 12 | **XARP-12V-WGT4** | 27.5 | 32.3 | 1,000 |
| 13 | **XARP-13V-WGT4** | 30.0 | 34.8 | 1,000 |
| 14 | **XARP-14V-WGT4** | 32.5 | 37.3 | 1,000 |
| 15 | **XARP-15V-WGT4** | 35.0 | 39.8 | 1,000 |

| Material |
|---|
| PA 66/6, UL94V-0, natural (white) |

*RoHS compliance*

## Retainer



| Circuits | Model No. | A | Q'ty / bag |
|---|---|---|---|
| 2 | **XMS-02V** | 2.5 | 1,000 |
| 3 | **XMS-03V** | 5.0 | 1,000 |
| 4 | **XMS-04V** | 7.5 | 1,000 |
| 5 | **XMS-05V** | 10.0 | 1,000 |
| 6 | **XMS-06V** | 12.5 | 1,000 |
| 7 | **XMS-07V** | 15.0 | 1,000 |
| 8 | **XMS-08V** | 17.5 | 1,000 |
| 9 | **XMS-09V** | 20.0 | 1,000 |
| 10 | **XMS-10V** | 22.5 | 1,000 |
| 11 | **XMS-11V** | 25.0 | 1,000 |
| 12 | **XMS-12V** | 27.5 | 1,000 |
| 13 | **XMS-13V** | 30.0 | 1,000 |
| 14 | **XMS-14V** | 32.5 | 1,000 |
| 15 | **XMS-15V** | 35.0 | 1,000 |

| Material |
|---|
| Glass-filled PA 66, UL94V-0, natural (ivory) |
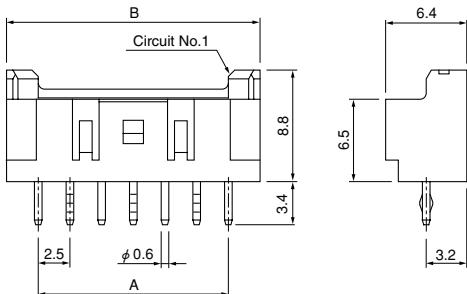
*RoHS compliance*
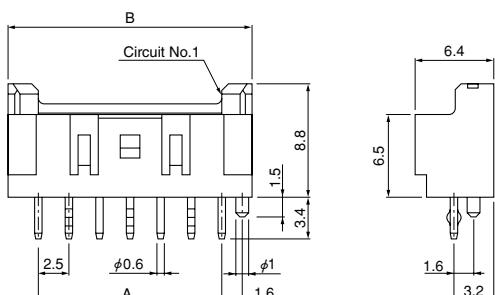
## Through-hole type shrouded header
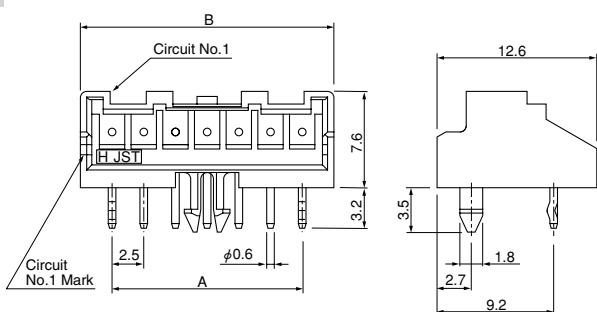
### Top entry type without a boss



### Top entry type with a boss



### Side entry type with a hook



| Circuits | Model No. | | Dimensions (mm) | | Q'ty / box |
|---|---|---|---|---|---|
| | Top entry type | | A | B | |
| | Without a boss | With a boss | | | |
| 2 | B02B-XASK-1 | B02B-XASK-1-A | 2.5 | 7.5 | 1,000 |
| 3 | B03B-XASK-1 | B03B-XASK-1-A | 5.0 | 10.0 | 400 |
| 4 | B04B-XASK-1 | B04B-XASK-1-A | 7.5 | 12.5 | 400 |
| 5 | B05B-XASK-1 | B05B-XASK-1-A | 10.0 | 15.0 | 400 |
| 6 | B06B-XASK-1 | B06B-XASK-1-A | 12.5 | 17.5 | 400 |
| 7 | B07B-XASK-1 | B07B-XASK-1-A | 15.0 | 20.0 | 250 |
| 8 | B08B-XASK-1 | B08B-XASK-1-A | 17.5 | 22.5 | 250 |
| 9 | B09B-XASK-1 | B09B-XASK-1-A | 20.0 | 25.0 | 250 |
| 10 | B10B-XASK-1 | B10B-XASK-1-A | 22.5 | 27.5 | 250 |
| 11 | B11B-XASK-1 | B11B-XASK-1-A | 25.0 | 30.0 | 200 |
| 12 | B12B-XASK-1 | B12B-XASK-1-A | 27.5 | 32.5 | 200 |
| 13 | B13B-XASK-1 | B13B-XASK-1-A | 30.0 | 35.0 | 100 |
| 14 | B14B-XASK-1 | B14B-XASK-1-A | 32.5 | 37.5 | 100 |
| 15 | B15B-XASK-1 | B15B-XASK-1-A | 35.0 | 40.0 | 100 |

| Material and Finish |
|---|
| Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment)<br>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.*

| Circuits | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|
| | Side entry type with a hook | A | B | D | |
| 2 | S02B-XASS-1 | 2.5 | 7.5 | 1.25 | 250 |
| 3 | S03B-XASK-1 | 5.0 | 10.0 | 2.50 | 250 |
| 4 | S04B-XASK-1 | 7.5 | 12.5 | 3.75 | 200 |
| 5 | S05B-XASK-1 | 10.0 | 15.0 | 5.00 | 200 |
| 6 | S06B-XASK-1 | 12.5 | 17.5 | 6.25 | 200 |
| 7 | S07B-XASK-1 | 15.0 | 20.0 | 7.50 | 200 |
| 8 | S08B-XASK-1 | 17.5 | 22.5 | 8.75 | 100 |
| 9 | S09B-XASK-1 | 20.0 | 25.0 | 10.00 | 100 |
| 10 | S10B-XASK-1 | 22.5 | 27.5 | 11.25 | 100 |
| 11 | S11B-XASK-1 | 25.0 | 30.0 | 12.50 | 100 |
| 12 | S12B-XASK-1 | 27.5 | 32.5 | 13.75 | 100 |
| 13 | S13B-XASK-1 | 30.0 | 35.0 | 15.00 | 100 |
| 14 | S14B-XASK-1 | 32.5 | 37.5 | 16.25 | 100 |

| Material and Finish |
|---|
| Pin: Copper alloy, copper-undercoated, tin-plated (reflow treatment)<br>Wafer: Glass-filled PA 66, UL94V-0, natural (ivory) |

**RoHS compliance** *This product displays (LF)(SN) on a label.*
*Note: 1. Dimension D…See PC board layout.*
*2. Contact JST for gold-plated products.*