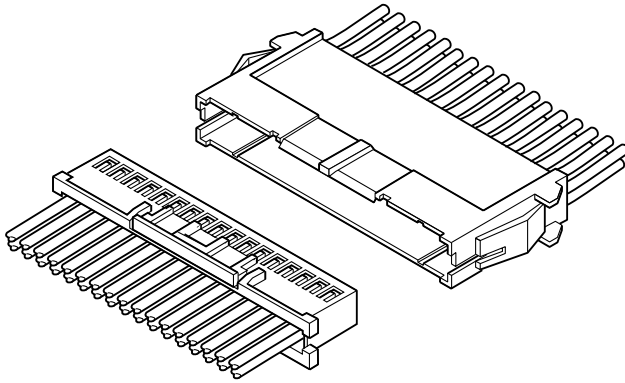




# XAD CONNECTOR

2.5 mm pitch/Disconnectable Crimp style wire-to-wire connectors



This is dual-row panel mountable wire-to-wire connector for the XAD connector for printed circuit board (wire side).

- Compatible with XAD connector for printed circuit board (wire side)
- Inner type contact lance
- Panel mountable
- Secure locking structure

## Standards

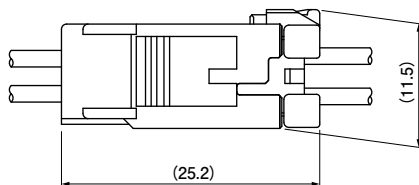
- ☑ :Recognized E 60389
- Ⓢ :Certified LR 20812
- ⚠ :R9851219

## Specifications

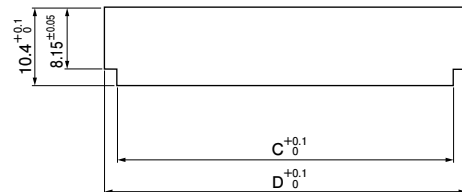
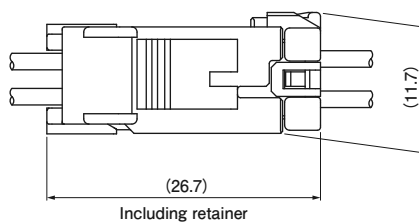
- Current rating: 3 A AC/DC (AWG #20)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.  
After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 1,500 VAC/minute
- Applicable wire: AWG #28 to #20
- \* 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.

## Assembly layout and Panel layout

- Receptacle housing incompatible with retainer



- Receptacle housing compatible with retainer

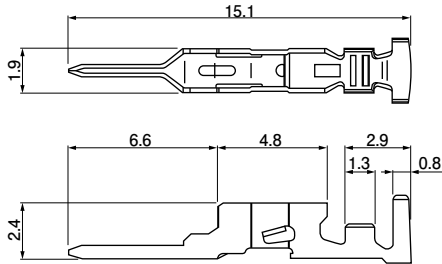


Note: C and D dimensions: Refer to the page of receptacle housing.

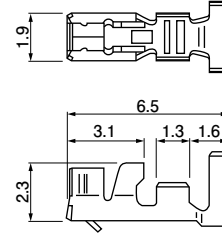
# XAD CONNECTOR

## Contact

### Pin contact



### Socket contact



| Model No.      |                | Applicable wire |          | Insulation O.D. (mm) |               | Q'ty/reel   |                |
|----------------|----------------|-----------------|----------|----------------------|---------------|-------------|----------------|
| Pin contact    | Socket contact | mm <sup>2</sup> | AWG#     | Without retainer     | With retainer | Pin contact | Socket contact |
| SXAM-001T-P0.6 | SXA-001T-P0.6  | 0.08 to 0.33    | 28 to 22 | 0.8 to 1.9           | 0.8 to 1.7    | 7,000       | 8,000          |
| SXAM-01T-P0.6  | SXA-01T-P0.6   | 0.22 to 0.5     | 24 to 20 | 1.5 to 1.9           | 1.5 to 1.7    | 7,000       | 8,000          |
| —              | SXA-001T-P0.6L | 0.13 to 0.33    | 26 to 22 | 1.3 to 1.7           |               | —           | 8,000          |

### Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

### RoHS2 compliance

Note: Contact JST for gold-plated products.

| Contact        | Crimping machine | Applicator       |                   |                            |
|----------------|------------------|------------------|-------------------|----------------------------|
|                |                  | Crimp applicator | Dies              | Crimp applicator with dies |
| SXAM-001T-P0.6 | AP-K2N           | MKS-L            | MK/SXAM/XA-001-06 | APLMK SXAM/XA001-06        |
| SXAM-01T-P0.6  |                  |                  | MK/SXAM/XA-01-06  | APLMK SXAM/XA01-06         |

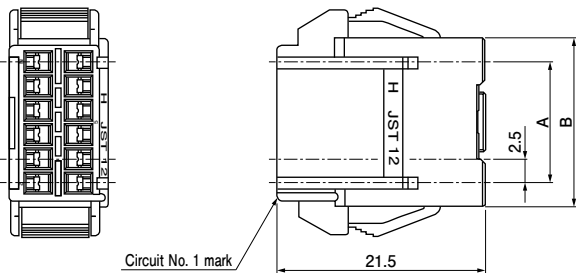
Note: Contact JST for fully automatic crimping applicator.

| Contact        | Crimping machine | Applicator       |                   |                            |
|----------------|------------------|------------------|-------------------|----------------------------|
|                |                  | Crimp applicator | Dies              | Crimp applicator with dies |
| SXA-001T-P0.6  | AP-K2N           | MKS-L            | MK/SXAM/XA-001-06 | APLMK SXAM/XA001-06        |
| SXA-01T-P0.6   |                  |                  | MK/SXAM/XA-01-06  | APLMK SXAM/XA01-06         |
| SXA-001T-P0.6L |                  |                  | MK/SXA-001-06L    | APLMK SXA001-06L           |

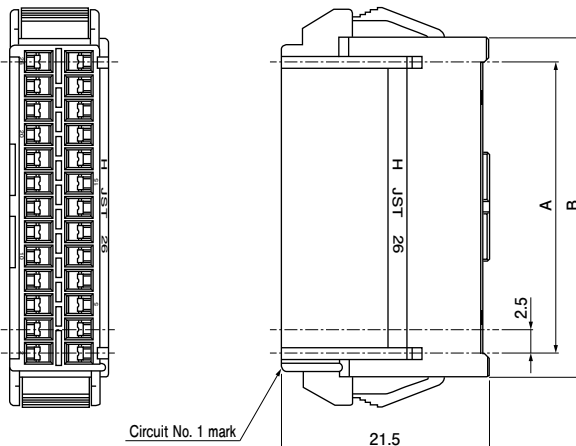
Note: Contact JST for fully automatic crimping applicator.

## Receptacle housing (for pin contact)

### • Receptacle housing incompatible with retainer (8 to 16 circuits)



### (18 to 40 circuits)



| No. of circuits | Model No. | Dimensions (mm) |      |      |      | Q'ty/bag |
|-----------------|-----------|-----------------|------|------|------|----------|
|                 |           | A               | B    | C    | D    |          |
| 8               | XADR-08V  | 7.5             | 12.5 | 12.9 | 16.2 | 1,000    |
| 10              | XADR-10V  | 10.0            | 15.0 | 15.4 | 18.7 | 500      |
| 12              | XADR-12V  | 12.5            | 17.5 | 17.9 | 21.2 | 500      |
| 14              | XADR-14V  | 15.0            | 20.0 | 20.4 | 23.7 | 500      |
| 16              | XADR-16V  | 17.5            | 22.5 | 22.9 | 26.2 | 300      |
| 18              | XADR-18V  | 20.0            | 25.0 | 25.4 | 28.7 | 300      |
| 20              | XADR-20V  | 22.5            | 27.5 | 27.9 | 31.2 | 300      |
| 22              | XADR-22V  | 25.0            | 30.0 | 30.4 | 33.7 | 300      |
| 24              | XADR-24V  | 27.5            | 32.5 | 32.9 | 36.2 | 300      |
| 26              | XADR-26V  | 30.0            | 35.0 | 35.4 | 38.7 | 300      |
| 28              | XADR-28V  | 32.5            | 37.5 | 37.9 | 41.2 | 300      |
| 30              | XADR-30V  | 35.0            | 40.0 | 40.4 | 43.7 | 300      |
| 32              | XADR-32V  | 37.5            | 42.5 | 42.9 | 46.2 | 300      |
| 34              | XADR-34V  | 40.0            | 45.0 | 45.4 | 48.7 | 200      |
| 36              | XADR-36V  | 42.5            | 47.5 | 47.9 | 51.2 | 200      |
| 40              | XADR-40V  | 47.5            | 52.5 | 52.9 | 56.2 | 200      |

### Material and Finish

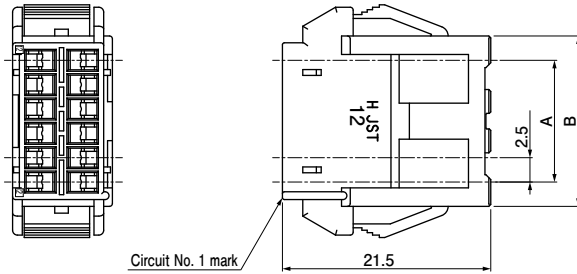
PA 66, UL94V-0, natural (white)

### RoHS2 compliance

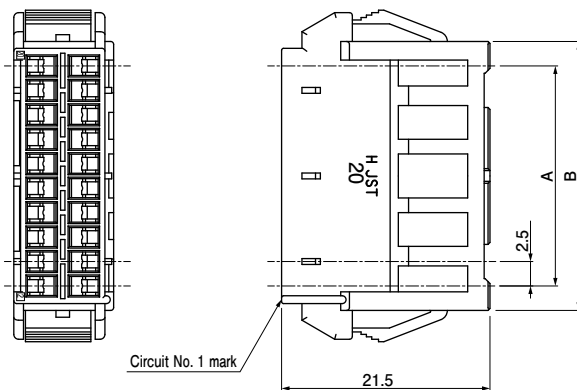
Note: C and D dimensions: Panel layout dimensions

## Receptacle housing (for pin contact)

### • Receptacle housing compatible with retainer (8 to 16 circuits)



### (18 to 24 circuits)



| No. of circuits | Model No. | Dimensions (mm) |      |      |      | Q'ty/bag |
|-----------------|-----------|-----------------|------|------|------|----------|
|                 |           | A               | B    | C    | D    |          |
| 8               | XADRR-08V | 7.5             | 12.5 | 12.9 | 16.2 | 1,000    |
| 10              | XADRR-10V | 10.0            | 15.0 | 15.4 | 18.7 | 500      |
| 12              | XADRR-12V | 12.5            | 17.5 | 17.9 | 21.2 | 500      |
| 14              | XADRR-14V | 15.0            | 20.0 | 20.4 | 23.7 | 500      |
| 16              | XADRR-16V | 17.5            | 22.5 | 22.9 | 26.2 | 300      |
| 18              | XADRR-18V | 20.0            | 25.0 | 25.4 | 28.7 | 300      |
| 20              | XADRR-20V | 22.5            | 27.5 | 27.9 | 31.2 | 300      |
| 22              | XADRR-22V | 25.0            | 30.0 | 30.4 | 33.7 | 300      |
| 24              | XADRR-24V | 27.5            | 32.5 | 32.9 | 36.2 | 300      |

#### Material and Finish

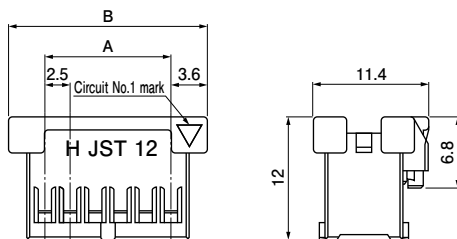
PA 66, UL94V-0, natural (white)

#### RoHS2 compliance

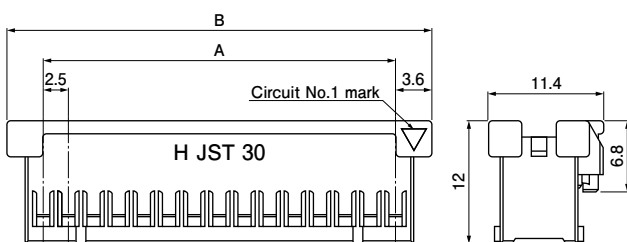
Note1: C and D dimensions: Panel layout dimensions  
2: Unlisted in UL/CSA/TÜV.

## Plug housing (for socket contact)

### (8 to 16 circuits)



### (18 to 40 circuits)



| No. of circuits | Model No. | Dimensions (mm) |      | Q'ty/bag |
|-----------------|-----------|-----------------|------|----------|
|                 |           | A               | B    |          |
| 8               | XADRP-08V | 7.5             | 14.7 | 1,000    |
| 10              | XADRP-10V | 10.0            | 17.2 | 1,000    |
| 12              | XADRP-12V | 12.5            | 19.7 | 1,000    |
| 14              | XADRP-14V | 15.0            | 22.2 | 1,000    |
| 16              | XADRP-16V | 17.5            | 24.7 | 1,000    |
| 18              | XADRP-18V | 20.0            | 27.2 | 1,000    |
| 20              | XADRP-20V | 22.5            | 29.7 | 500      |
| 22              | XADRP-22V | 25.0            | 32.2 | 500      |
| 24              | XADRP-24V | 27.5            | 34.7 | 500      |
| 26              | XADRP-26V | 30.0            | 37.2 | 500      |
| 28              | XADRP-28V | 32.5            | 39.7 | 500      |
| 30              | XADRP-30V | 35.0            | 42.2 | 500      |
| 32              | XADRP-32V | 37.5            | 44.7 | 500      |
| 34              | XADRP-34V | 40.0            | 47.2 | 500      |
| 36              | XADRP-36V | 42.5            | 49.7 | 250      |
| 40              | XADRP-40V | 47.5            | 54.7 | 250      |

#### Material and Finish

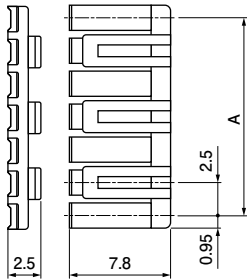
PA 66, UL94V-0, natural (white)

#### RoHS2 compliance

# XAD CONNECTOR

## Retainer

### • For receptacle housing



| No. of circuits | Model No. | A (mm) | Q'ty/bag | Ref.: Applicable housing model No. |
|-----------------|-----------|--------|----------|------------------------------------|
| 4               | XMS-04V   | 7.5    | 1,000    | XADRR-08V                          |
| 5               | XMS-05V   | 10.0   | 1,000    | XADRR-10V                          |
| 6               | XMS-06V   | 12.5   | 1,000    | XADRR-12V                          |
| 7               | XMS-07V   | 15.0   | 1,000    | XADRR-14V                          |
| 8               | XMS-08V   | 17.5   | 1,000    | XADRR-16V                          |
| 9               | XMS-09V   | 20.0   | 1,000    | XADRR-18V                          |
| 10              | XMS-10V   | 22.5   | 1,000    | XADRR-20V                          |
| 11              | XMS-11V   | 25.0   | 1,000    | XADRR-22V                          |
| 12              | XMS-12V   | 27.5   | 1,000    | XADRR-24V                          |

#### Material and Finish

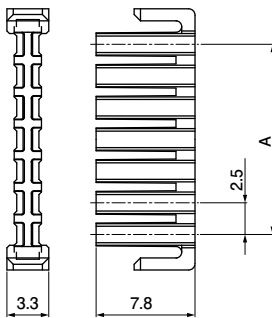
Glass-filled PA 66, UL94V-0, natural (ivory)

#### RoHS2 compliance

Note: Retainers cannot be used when wires of the insulation outer diameter with 1.7 mm or more are applied.

For the applicable wire insulation O.D., refer to the contact section.

### • For plug housing



| No. of circuits | Model No.  | A (mm) | Q'ty/bag | Ref.: Applicable housing model No. |
|-----------------|------------|--------|----------|------------------------------------|
| 8               | XADS-08V-K | 7.5    | 1,000    | XADRP-08V                          |
| 10              | XADS-10V-K | 10.0   | 1,000    | XADRP-10V                          |
| 12              | XADS-12V-K | 12.5   | 1,000    | XADRP-12V                          |
| 14              | XADS-14V-K | 15.0   | 1,000    | XADRP-14V                          |
| 16              | XADS-16V-K | 17.5   | 1,000    | XADRP-16V                          |
| 18              | XADS-18V-K | 20.0   | 1,000    | XADRP-18V                          |
| 20              | XADS-20V-K | 22.5   | 1,000    | XADRP-20V                          |
| 22              | XADS-22V-K | 25.0   | 1,000    | XADRP-22V                          |
| 24              | XADS-24V-K | 27.5   | 1,000    | XADRP-24V                          |
| 26              | XADS-26V-K | 30.0   | 1,000    | XADRP-26V                          |
| 28              | XADS-28V-K | 32.5   | 1,000    | XADRP-28V                          |
| 30              | XADS-30V-K | 35.0   | 1,000    | XADRP-30V                          |
| 32              | XADS-32V-K | 37.5   | 1,000    | XADRP-32V                          |
| 34              | XADS-34V-K | 40.0   | 1,000    | XADRP-34V                          |
| 36              | XADS-36V-K | 42.5   | 1,000    | XADRP-36V                          |
| 40              | XADS-40V-K | 47.5   | 1,000    | XADRP-40V                          |

#### Material and Finish

Glass-filled PA 66, UL94V-0, black

#### RoHS2 compliance

Note: Retainers cannot be used when wires of the insulation outer diameter with 1.7 mm or more are applied.

For the applicable wire insulation O.D., refer to the contact section.