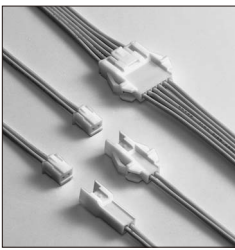




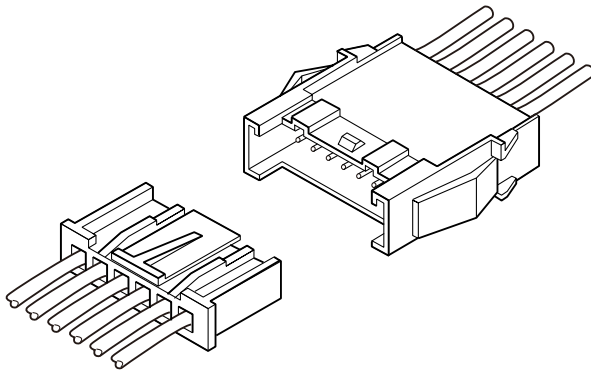
# THE DATASHEET OF XARR-08V





# XA CONNECTOR

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



**2.5mm pitch wire-to-wire connector that can mate with the socket of XA connector (board-to-wire type). Reliable secondary retainer is available. Panel mount is applicable.**

- Possible to mate with the existing XA socket
- Inner type contact lance
- Mountable on a variety of panels
- Secondary retainer
- Secure lock construction

## Specifications

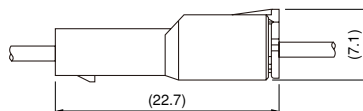
- Current rating: 3A AC, DC max. (AWG #20)
- Voltage rating: 250V AC, DC max.
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.  
After environmental testing/20m Ω max.
- Insulation resistance: 500M Ω min.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

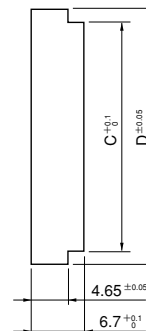
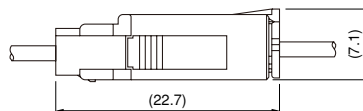
- Recognized E60389
- Certified LR20812
- R9851220

## Panel layout and Assembly layout

Without panel locks



With panel locks

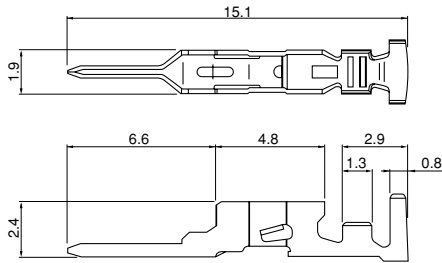


Note: C and D dimensions: Refer to receptacle housing.

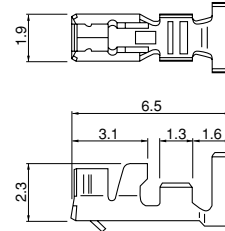
# XA CONNECTOR

## 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 # |                     | Pin contact | Socket contact |
| <b>SXAM-001T-P0.6</b> | <b>SXA-001T-P0.6</b> | 0.08~0.33       | 28~22 | 0.8~1.9             | 7,000       | 8,000          |
| <b>SXAM-01T-P0.6</b>  | <b>SXA-01T-P0.6</b>  | 0.22~0.5        | 24~20 | 1.5~1.9             | 7,000       | 8,000          |

### Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

### RoHS compliance

Note: Contact JST for gold-plated products.

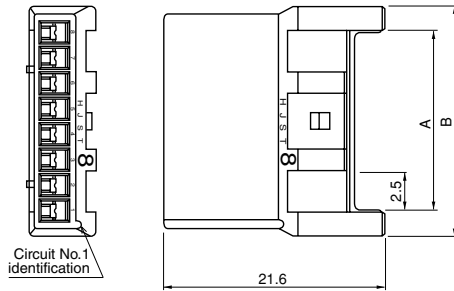
| Contact              | Crimping machine | Applicator       |                   |                            |
|----------------------|------------------|------------------|-------------------|----------------------------|
|                      |                  | Crimp applicator | Dies         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

Note: \*Strip-crimp applicator

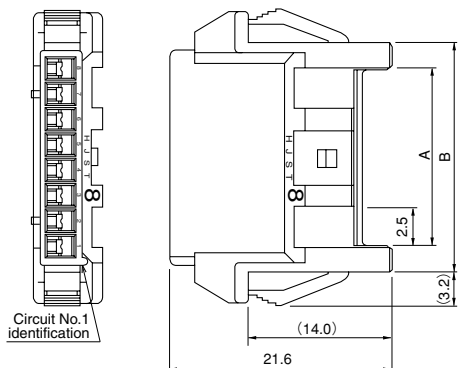
| Contact               | Crimping machine | Applicator       |                   |                            |
|-----------------------|------------------|------------------|-------------------|----------------------------|
|                       |                  | Crimp applicator | Dies      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

## Receptacle housing (for pin dies contact)

### Without panel locks



### With panel locks



| Circuits | Model No.           |                  | Dimensions (mm) |      |      |      | Q'ty / bag |
|----------|---------------------|------------------|-----------------|------|------|------|------------|
|          | Without panel locks | With panel locks | A               | B    | C    | D    |            |
| 2        | <b>XARR-02VF</b>    | <b>XARR-02V</b>  | 2.5             | 7.5  | 7.9  | 11.2 | 1,000      |
| 3        | <b>XARR-03VF</b>    | <b>XARR-03V</b>  | 5.0             | 10.0 | 10.4 | 13.7 | 1,000      |
| 4        | <b>XARR-04VF</b>    | <b>XARR-04V</b>  | 7.5             | 12.5 | 12.9 | 16.2 | 1,000      |
| 5        | <b>XARR-05VF</b>    | <b>XARR-05V</b>  | 10.0            | 15.0 | 15.4 | 18.7 | 1,000      |
| 6        | <b>XARR-06VF</b>    | <b>XARR-06V</b>  | 12.5            | 17.5 | 17.9 | 21.2 | 500        |
| 7        | —                   | <b>XARR-07V</b>  | 15.0            | 20.0 | 20.4 | 23.7 | 500        |
| 8        | <b>XARR-08VF</b>    | <b>XARR-08V</b>  | 17.5            | 22.5 | 22.9 | 26.2 | 500        |
| 9        | <b>XARR-09VF</b>    | <b>XARR-09V</b>  | 20.0            | 25.0 | 25.4 | 28.7 | 500        |
| 10       | <b>XARR-10VF</b>    | <b>XARR-10V</b>  | 22.5            | 27.5 | 27.9 | 31.2 | 500        |
| 11       | —                   | <b>XARR-11V</b>  | 25.0            | 30.0 | 30.4 | 33.7 | 500        |
| 12       | <b>XARR-12VF</b>    | <b>XARR-12V</b>  | 27.5            | 32.5 | 32.9 | 36.2 | 500        |
| 13       | —                   | <b>XARR-13V</b>  | 30.0            | 35.0 | 35.4 | 38.7 | 500        |
| 14       | —                   | <b>XARR-14V</b>  | 32.5            | 37.5 | 37.9 | 41.2 | 500        |
| 15       | —                   | <b>XARR-15V</b>  | 35.0            | 40.0 | 40.4 | 43.7 | 500        |

### Material

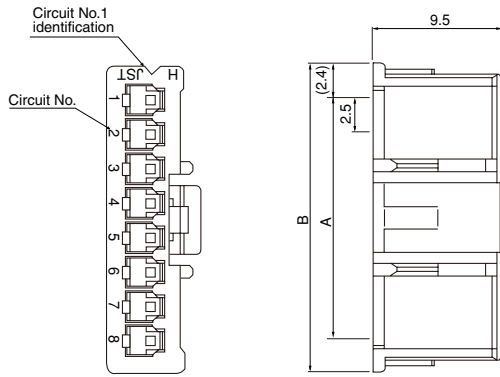
PA 66, UL94V-0, natural (white)

### RoHS compliance

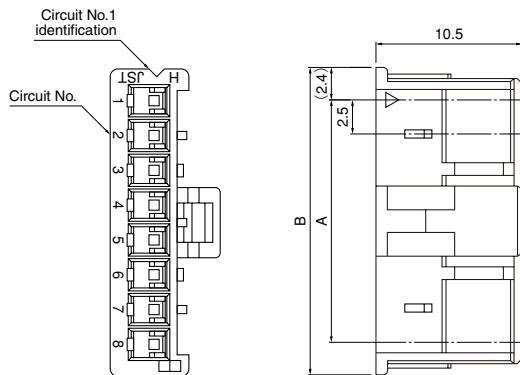
Note: C and D dimensions: Panel layout dimensions

## Plug housing (for socket contact)

### Standard type



### Retainer mountable type



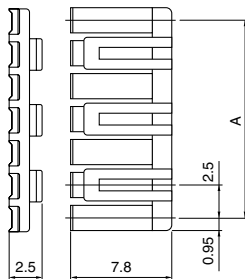
| Circuits | Model No.     |                         | Dimensions (mm) |      | Q'ty / bag    |                         |
|----------|---------------|-------------------------|-----------------|------|---------------|-------------------------|
|          | Standard type | Retainer mountable type | A               | B    | Standard type | Retainer mountable type |
| 2        | XAP-02V-1     | XARP-02V                | 2.5             | 7.3  | 1,000         | 1,000                   |
| 3        | XAP-03V-1     | XARP-03V                | 5.0             | 9.8  | 1,000         | 1,000                   |
| 4        | XAP-04V-1     | XARP-04V                | 7.5             | 12.3 | 1,000         | 1,000                   |
| 5        | XAP-05V-1     | XARP-05V                | 10.0            | 14.8 | 1,000         | 1,000                   |
| 6        | XAP-06V-1     | XARP-06V                | 12.5            | 17.3 | 1,000         | 1,000                   |
| 7        | XAP-07V-1     | XARP-07V                | 15.0            | 19.8 | 1,000         | 1,000                   |
| 8        | XAP-08V-1     | XARP-08V                | 17.5            | 22.3 | 1,000         | 1,000                   |
| 9        | XAP-09V-1     | XARP-09V                | 20.0            | 24.8 | 1,000         | 1,000                   |
| 10       | XAP-10V-1     | XARP-10V                | 22.5            | 27.3 | 1,000         | 1,000                   |
| 11       | XAP-11V-1     | XARP-11V                | 25.0            | 29.8 | 1,000         | 1,000                   |
| 12       | XAP-12V-1     | XARP-12V                | 27.5            | 32.3 | 1,000         | 1,000                   |
| 13       | XAP-13V-1     | XARP-13V                | 30.0            | 34.8 | 1,000         | 1,000                   |
| 14       | XAP-14V-1     | XARP-14V                | 32.5            | 37.3 | 500           | 1,000                   |
| 15       | XAP-15V-1     | XARP-15V                | 35.0            | 39.8 | 500           | 1,000                   |

#### Material

PA 66, 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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View XARR-08V on WIN SOURCE](#)
-  [JST Sales America Inc. Information](#)

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