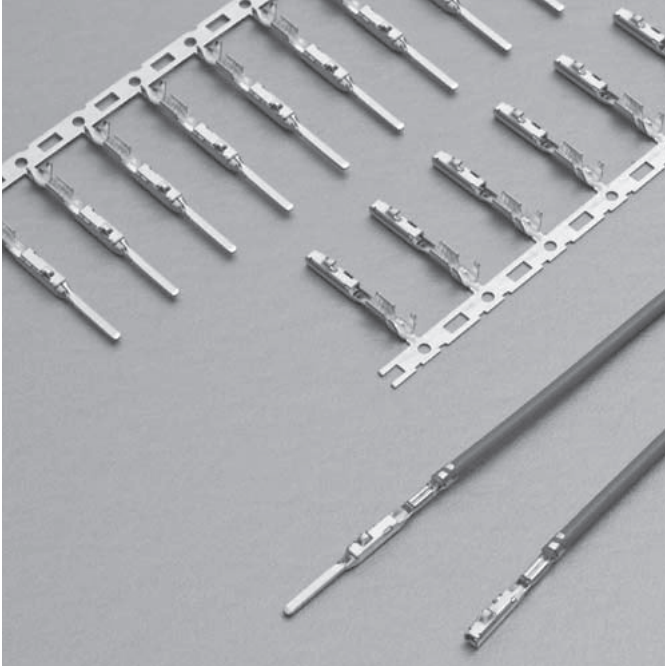


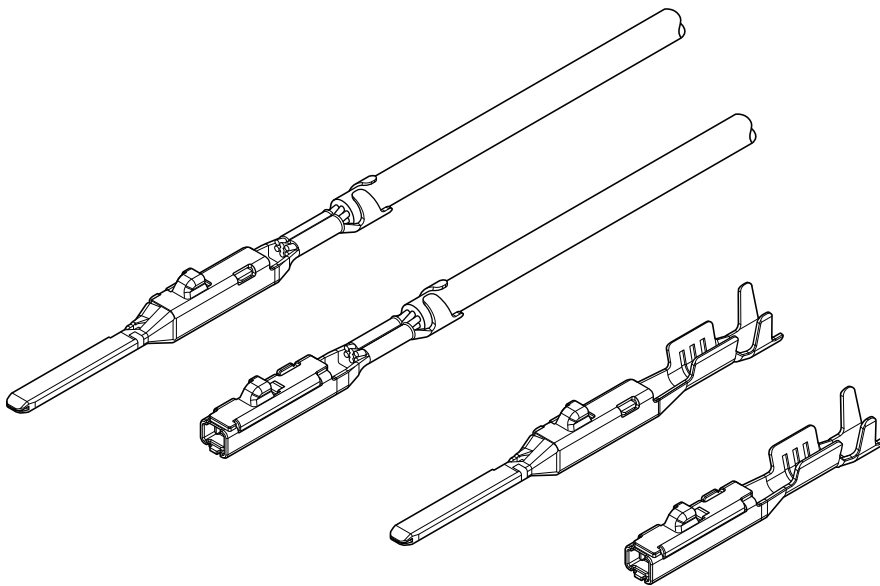
# MSA<sub>TERMINAL</sub>



1.2 mm terminal compliant with USCAR standards.

## ■ Features

- **Terminal Concept**  
One-piece structure, overlapped box design, four contact points.
- **Variations**  
Varieties of platings and barrel sizes are available.
- **Housing Lance Type**



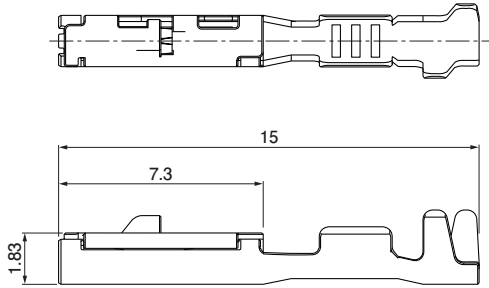
## ■ Specifications

- Terminal size: 1.2 mm (t=0.6 mm)
- Applicable wire: 0.13 mm<sup>2</sup> to 1.5 mm<sup>2</sup>
- Finish: Tin-plated  
Silver-plated

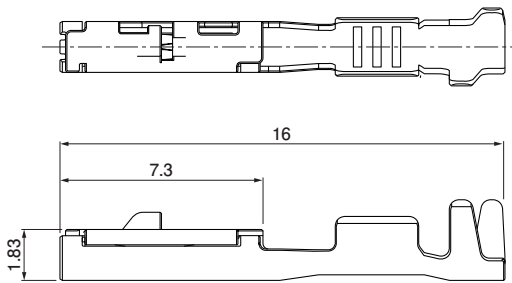
\* Compliant with ELV/RoHS.  
\* Contact JST for details.

## Female terminal

### SSS/SS barrel

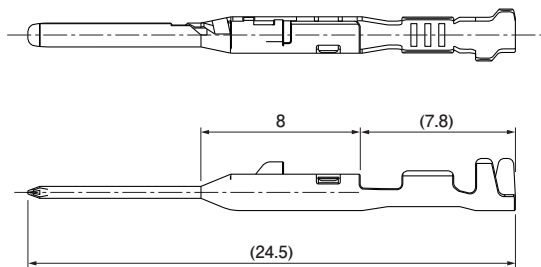


### S/M barrel

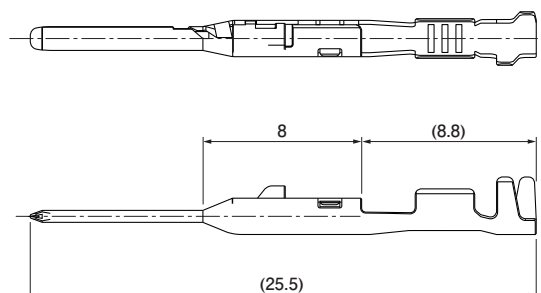


## Male terminal

### SSS/SS barrel



### S/M barrel



## Tin-plated

| Size | Model No.       | Applicable wire range        |                      | Q'ty/reel |
|------|-----------------|------------------------------|----------------------|-----------|
|      |                 | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SSS  | SMSA-A001T-M1.2 | 0.13                         | 0.95 to 1.05         | 9,000     |
| SS   | SMSA-A011T-M1.2 | 0.35                         | 1.2 to 1.4           | 9,000     |
| S    | SMSA-A031T-M1.2 | 0.5 to 0.75                  | 1.6 to 1.9           | 8,500     |
| M    | SMSA-A041T-M1.2 | 1.0 to 1.5                   | 2.1 to 2.4           | 6,000     |

### Material and Finish

Copper alloy, tin-plated (reflow treatment)

## Silver-plated

| Size | Model No.       | Applicable wire range        |                      | Q'ty/reel |
|------|-----------------|------------------------------|----------------------|-----------|
|      |                 | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SSS  | SMSA-A001A-M1.2 | 0.13                         | 0.95 to 1.05         | 9,000     |
| SS   | SMSA-A011A-M1.2 | 0.35                         | 1.2 to 1.4           | 9,000     |
| S    | SMSA-A031A-M1.2 | 0.5 to 0.75                  | 1.6 to 1.9           | 8,500     |
| M    | SMSA-A041A-M1.2 | 1.0 to 1.5                   | 2.1 to 2.4           | 6,000     |

### Material and Finish

Copper alloy, nickel-undercoated, Contact area; silver-plated  
Barrel area; tin-plated

## Tin-plated

| Size | Model No.        | Applicable wire range        |                      | Q'ty/reel |
|------|------------------|------------------------------|----------------------|-----------|
|      |                  | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SSS  | SMSAW-A001T-M1.2 | 0.13                         | 0.95 to 1.05         | 10,000    |
| SS   | SMSAW-A011T-M1.2 | 0.35                         | 1.2 to 1.4           | 9,000     |
| S    | SMSAW-A031T-M1.2 | 0.5 to 0.75                  | 1.6 to 1.9           | 9,000     |
| M    | SMSAW-A041T-M1.2 | 1.0 to 1.5                   | 2.1 to 2.4           | 6,000     |

### Material and Finish

Copper alloy, tin-plated (reflow treatment)

## Silver-plated

| Size | Model No.        | Applicable wire range        |                      | Q'ty/reel |
|------|------------------|------------------------------|----------------------|-----------|
|      |                  | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SSS  | SMSAW-A001A-M1.2 | 0.13                         | 0.95 to 1.05         | 10,000    |
| SS   | SMSAW-A011A-M1.2 | 0.35                         | 1.2 to 1.4           | 9,000     |
| S    | SMSAW-A031A-M1.2 | 0.5 to 0.75                  | 1.6 to 1.9           | 9,000     |
| M    | SMSAW-A041A-M1.2 | 1.0 to 1.5                   | 2.1 to 2.4           | 6,000     |

### Material and Finish

Copper alloy, nickel-undercoated, Contact area; silver-plated  
Barrel area; tin-plated

## Crimping machine, Applicator

| Strip terminal     | Crimping machine | Crimp applicator MKS-L |                            |
|--------------------|------------------|------------------------|----------------------------|
|                    |                  | Dies                   | Crimp applicator with dies |
| SMSA-A001( )-M1.2  | AP-K2N           | MK/SMSA-A001-12        | APLMK SMSA-A001-12         |
| SMSA-A011( )-M1.2  |                  | MK/SMSA-A011-12        | APLMK SMSA-A011-12         |
| SMSA-A031( )-M1.2  |                  | MK/SMSA-A031-12        | APLMK SMSA-A031-12         |
| SMSA-A041( )-M1.2  |                  | MK/SMSA-A041-12        | APLMK SMSA-A041-12         |
| SMSAW-A001( )-M1.2 |                  | MK/SMSAW-A001-12       | APLMK SMSAW-A001-12        |
| SMSAW-A011( )-M1.2 |                  | MK/SMSAW-A011-12       | APLMK SMSAW-A011-12        |
| SMSAW-A031( )-M1.2 |                  | MK/SMSAW-A031-12       | APLMK SMSAW-A031-12        |
| SMSAW-A041( )-M1.2 |                  | MK/SMSAW-A041-12       | APLMK SMSAW-A041-12        |

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.