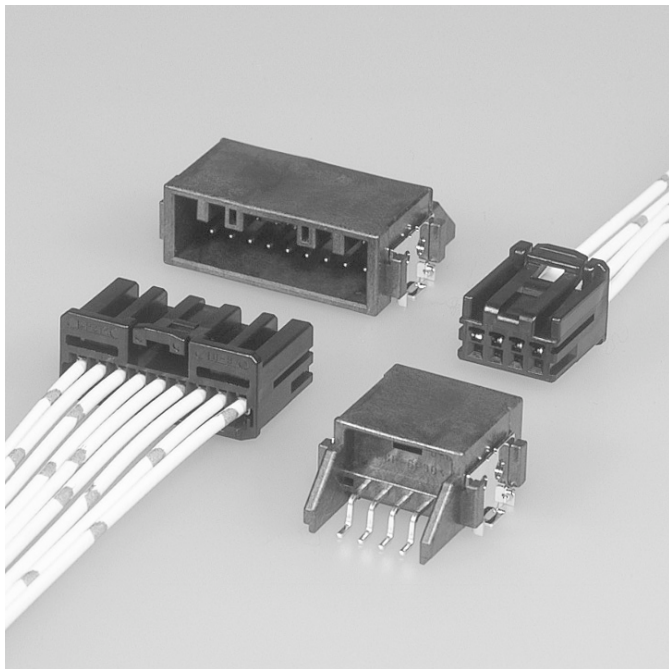




2.54mm pitch, 0.64 unsealed connector for automotive corresponding to the surface mounting.

### Features

#### ●Miniaturization

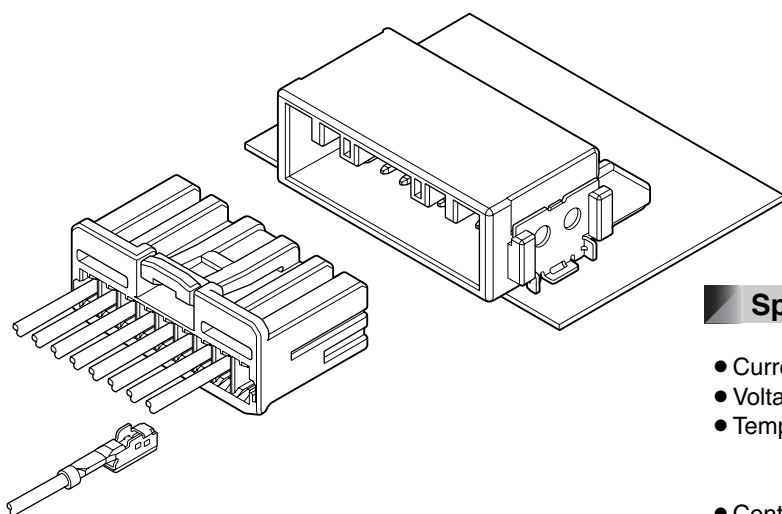
Using the short length female terminal, the miniaturization is realized.

#### ●Surface mounting

Corresponding to the surface mounting (lead-free), mounting workability is improved.

#### ●Reliability

High reliability ensures by using proven female terminal in the automotive electrical equipment.

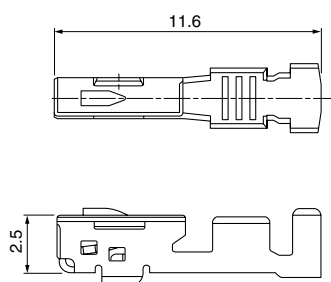


### Specifications

- Current rating: 5A AC, DC (0.5mm<sup>2</sup>, Single circuit)
- Voltage rating: 50V AC, DC
- Temperature range: -40°C to +120°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.  
After environmental testing/20mΩ max.
- Applicable wire: AVSS  
0.3mm<sup>2</sup> to 0.5mm<sup>2</sup>

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

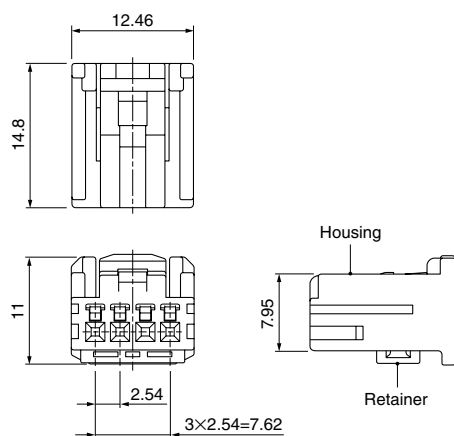
## Female terminal



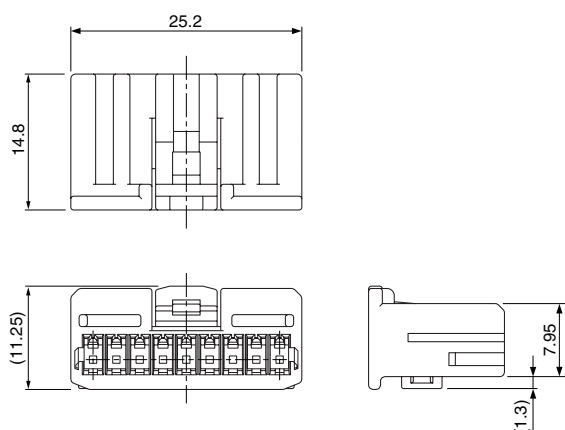
| Model No.                                   | Applicable wire range        |                      | Q'ty/reel |
|---------------------------------------------|------------------------------|----------------------|-----------|
|                                             | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| <b>SHCM-A03T-P025</b>                       | 0.3 to 0.5                   | 1.4 to 1.8           | 5,000     |
| <b>Material and Finish</b>                  |                              |                      |           |
| Copper alloy, tin-plated (reflow treatment) |                              |                      |           |

## Female connector

### ● 4 circuits



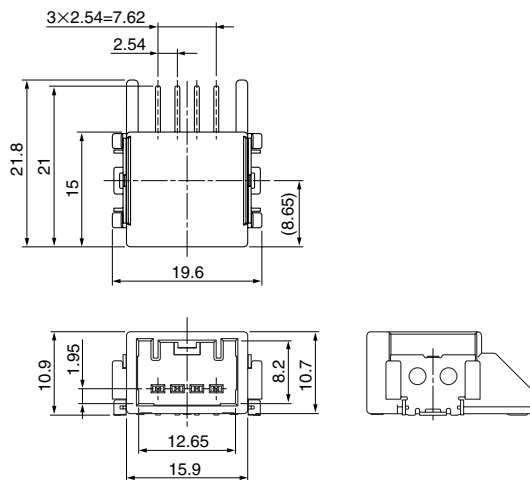
### ● 9 circuits



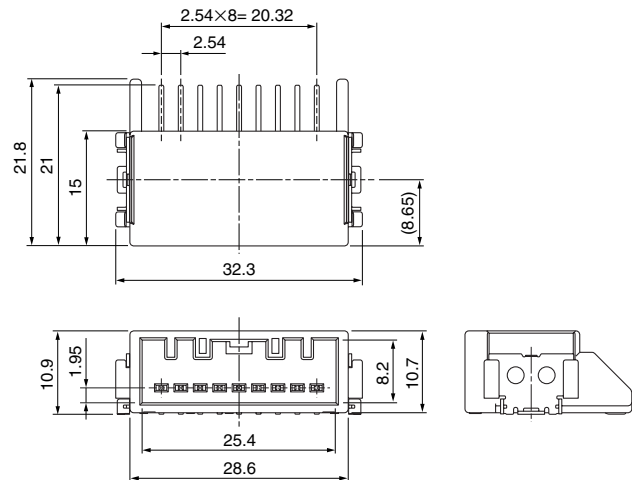
| Circuits                                   | Model No.          | Q'ty/box |
|--------------------------------------------|--------------------|----------|
| 4                                          | <b>HCMPB-04-K</b>  | 600      |
| 9                                          | <b>HCHFB-09-KE</b> | 300      |
| <b>Material</b>                            |                    |          |
| Housing: PBT, black<br>Retainer: PBT, blue |                    |          |

## Male connector

### ● 4 circuits



### ● 9 circuits



| Circuits | Model No.            | Q'ty/reel |
|----------|----------------------|-----------|
| 4        | <b>SM04B-HCHK-TB</b> | 220       |
| 9        | <b>SM09B-HCHK-TB</b> | 220       |

#### Material and Finish

Housing: Glass-filled LCP, black

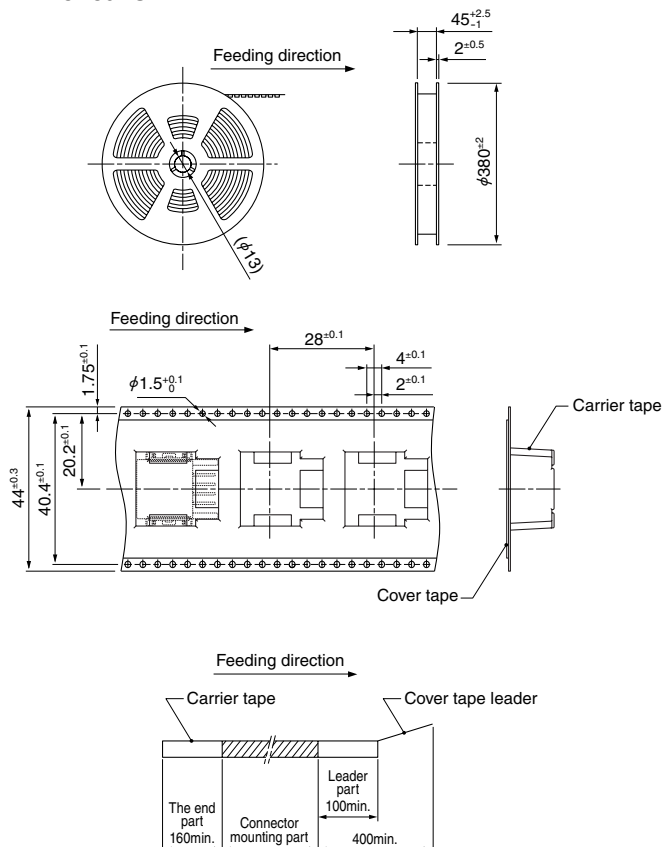
Terminal: Brass, nickel-undercoated, tin-plated

Reinforcing tab: Brass, nickel-undercoated, tin-plated

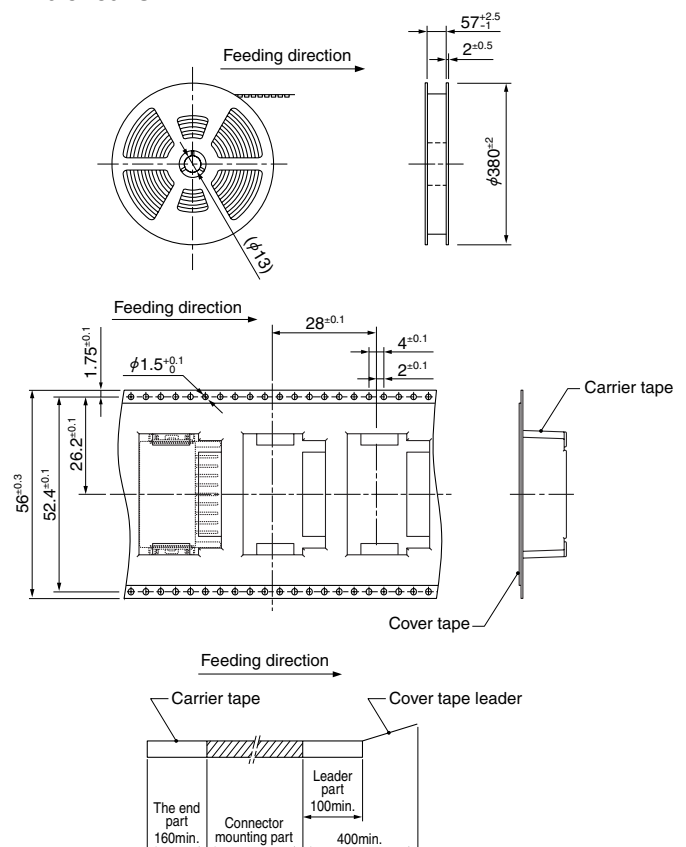
Note: This product displays (LF)(SN) on a label.

## Taping Specifications

### ● 4 circuits

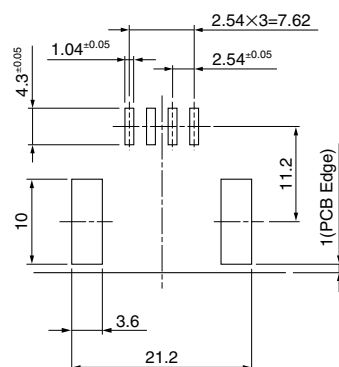


### ● 9 circuits

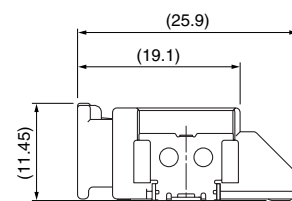
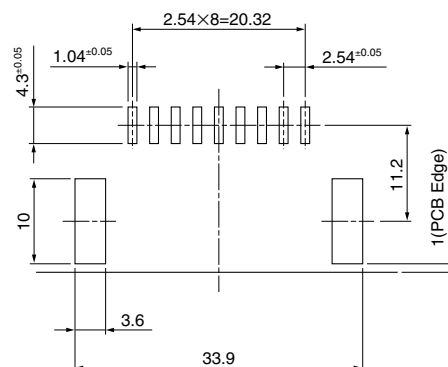


## PC board layout, Assembly layout

### ● 4 circuits



### ● 9 circuits



Note: 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  for all centers.

2. The dimensions above should serve as guideline. Contact JST for details.

## Crimping machine, Applicator

| Strip terminal | Crimping machine | Crimp applicator MKS-L |                            |
|----------------|------------------|------------------------|----------------------------|
|                |                  | Dies                   | Crimp applicator with dies |
| SHCM-A03T-P025 | AP-K2N           | MK/SHCM-A03-025        | APLMK SHCM-A03-025         |

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