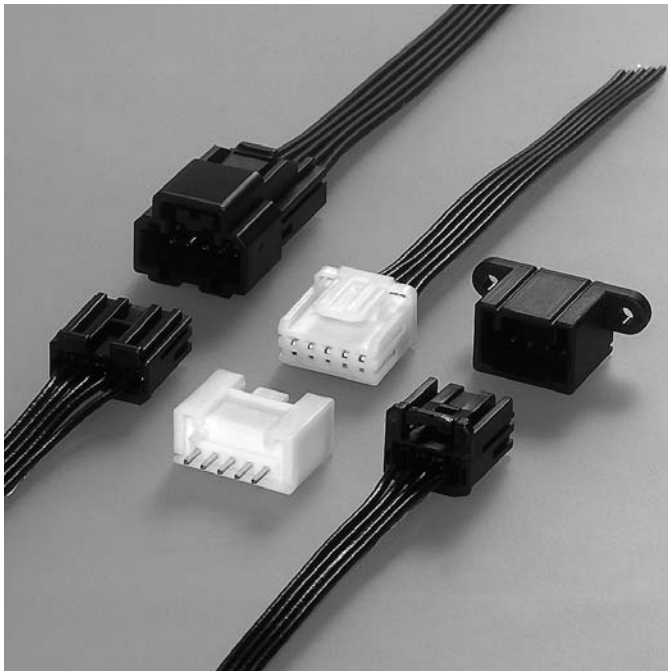
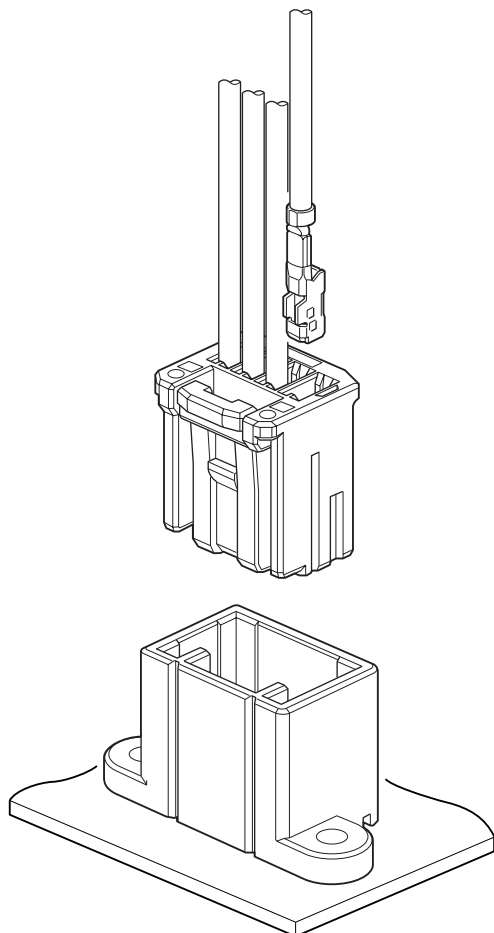




0.64 unsealed, low profile, miniaturized connectors for automobile applications.

Meets or exceeds the major performance specifications for automotive electrical connector systems.



### Features

- Miniaturized Connectors, Compliant with the Automotive Performance Specifications
- Boxed Female Terminal with Triple Over-stress Protection Mechanism
- Accept 0.64 or 1.0 mm Male Blade
- Optional Connector Position Assurance (CPA) Design

- Terminal Independent Secondary Lock

### ● Variations

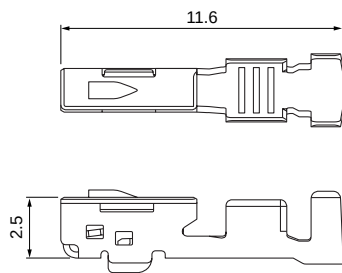
Multiple circuits sizes and circuit board locking mechanisms available to suit your needs.

### Specifications

- Current rating: 5 A DC
- Voltage rating: 14 V DC
- Temperature range: -40°C to +100°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.  
After environmental tests/ 20 mΩ max.
- Insulation resistance: 20 MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS  
0.3 mm<sup>2</sup> to 0.5 mm<sup>2</sup>  
: UL Cable  
0.21 mm<sup>2</sup>

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

**Female terminal**



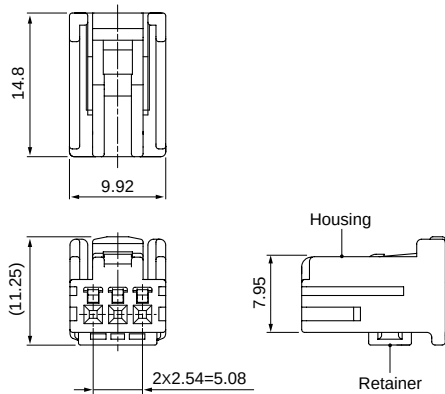
| Model No.                | Applicable wire range        |                      | Q'ty/reel |
|--------------------------|------------------------------|----------------------|-----------|
|                          | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SHCM-A03T-P025           | 0.3 to 0.5                   | 1.4 to 1.9           | 5,000     |
| SHCM-A04T-P025           | 0.21                         | 1.5                  | 5,000     |
| Material and Finish      |                              |                      |           |
| Copper alloy, tin-plated |                              |                      |           |

**Female connector**

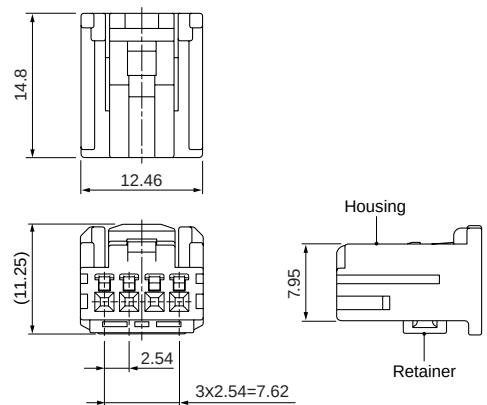
**Single row**

**Inner lock type**

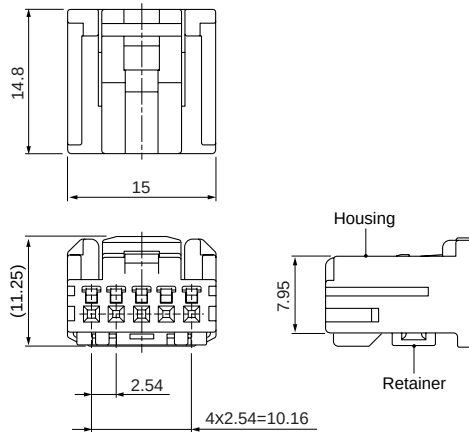
**• 3 circuits**



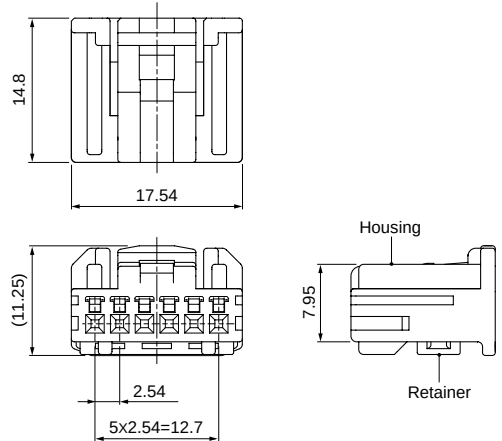
**• 4 circuits**



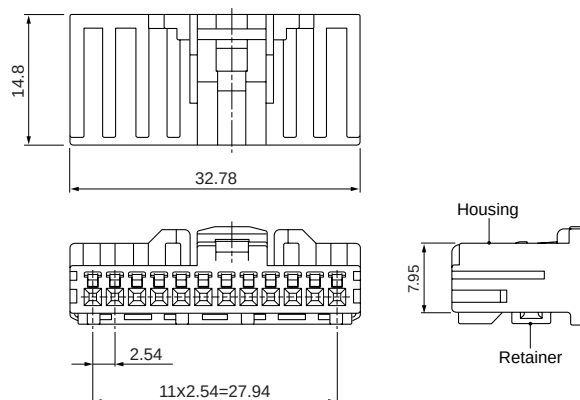
**• 5 circuits**



**• 6 circuits**

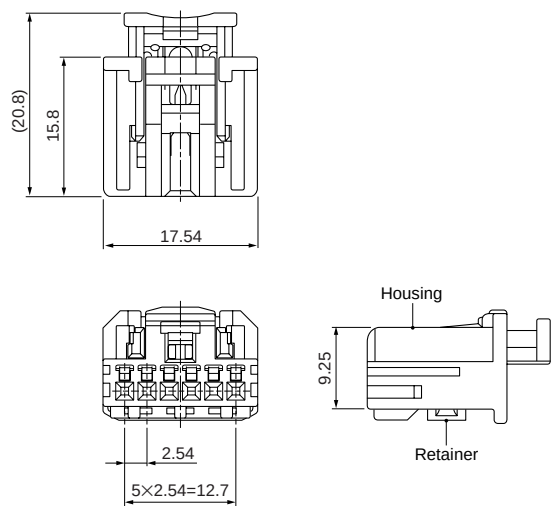


**• 12 circuits**

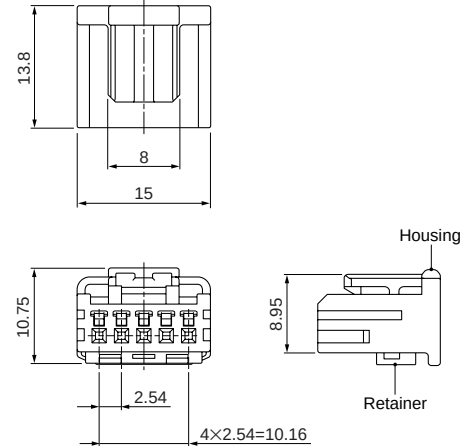


Female connector

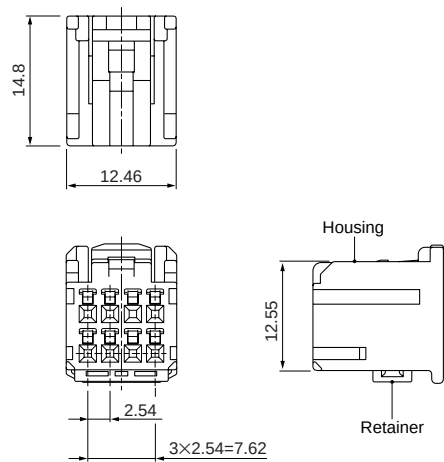
Single row  
Inner lock type  
● 6 circuits (W/CPA type)



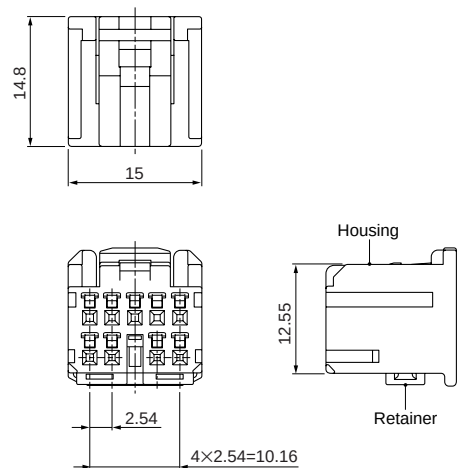
Outer lock type  
● 5 circuits



Dual row  
Inner lock type  
● 8 circuits



● 9 circuits



Single row

| Type               | Circuits | Model No.    | Q'ty/box | Housing Color   |
|--------------------|----------|--------------|----------|-----------------|
| Inner lock         | 3        | HCMPB-03-K   | 800      | Black           |
|                    |          | HCMPB-03-S   | 800      | White           |
|                    | 4        | HCMPB-04-K   | 600      | Black           |
|                    |          | HCMPB-04-H   | 600      | Gray            |
|                    |          | HCMPB-04-S   | 600      | Natural (White) |
|                    | 5        | HCMPB-A05-K  | 8,000    | Black           |
|                    |          | HCMPB-A05-S  | 500      | Natural (White) |
|                    | 6        | HCMPB-06-K   | 400      | Black           |
|                    |          | HCMPB-06-S   | 400      | Natural (White) |
|                    | 12       | HCMPB-12-K   | 200      | Black           |
|                    | *12      | HCMPB-A12-K  | 200      | Black           |
| Inner lock (W/CPA) | 6        | HCMPB-C06A-K | 4,500    | Black           |
|                    |          | HCMPB-C06A-S | 4,500    | Natural (White) |
| Outer lock         | 5        | HCMPB-05-K   | 500      | Black           |
|                    |          | HCMPB-05-S   | 500      | Natural (White) |

Material and Finish

Housing: PBT  
Retainer: PBT, Blue  
CPA (Only for 6 circuits with CPA): Glass-filled PBT, Red

\*Additional keying

Dual row

| Circuits | Model No.   | Q'ty/box | Housing Color   |
|----------|-------------|----------|-----------------|
| 8        | HCMDBP-08-K | 400      | Black           |
|          | HCMDBP-08-S | 400      | Natural (White) |
| 9        | HCMDBP-09-K | 400      | Black           |

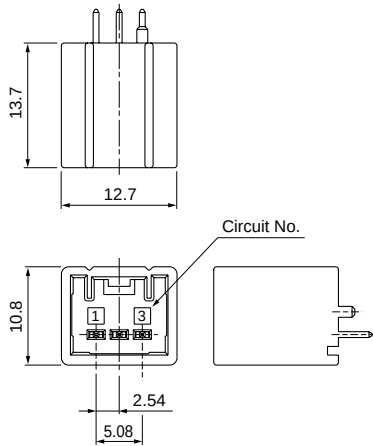
Material and Finish

Housing: PBT  
Retainer: PBT, Blue

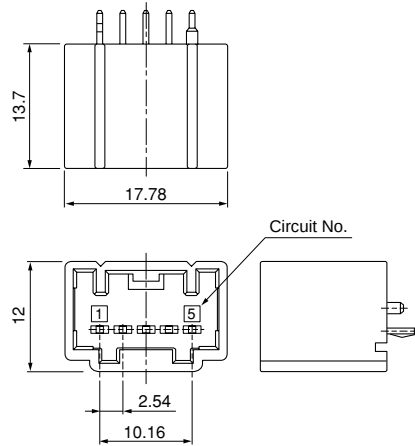
## Male connector (Top entry type)

### Inner lock type

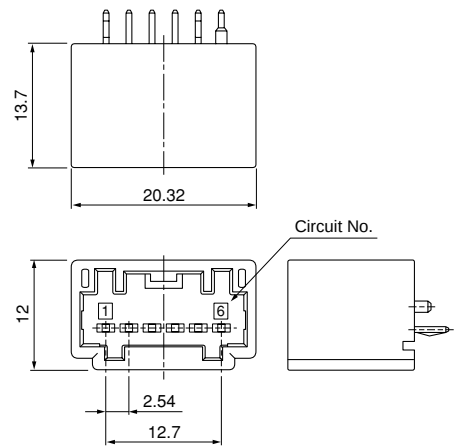
#### • 3 circuits



#### • 5 circuits

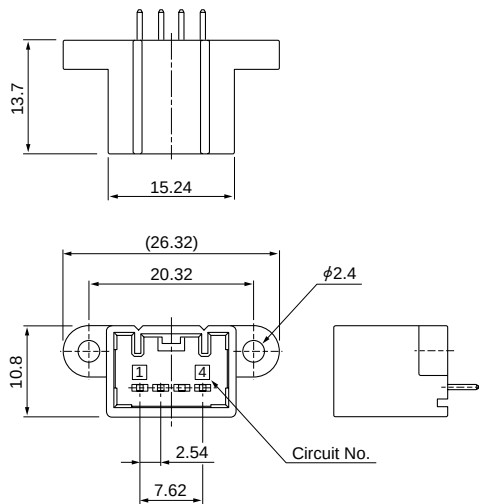


#### • 6 circuits

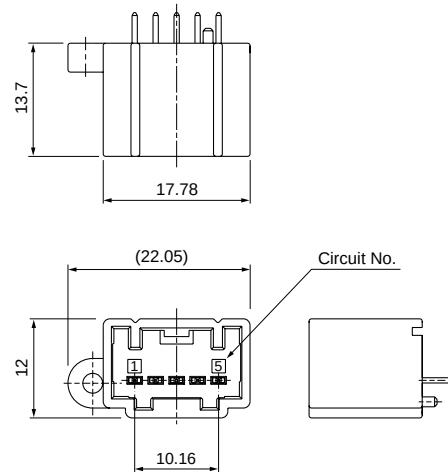


### Screw hole

#### • 4 circuits

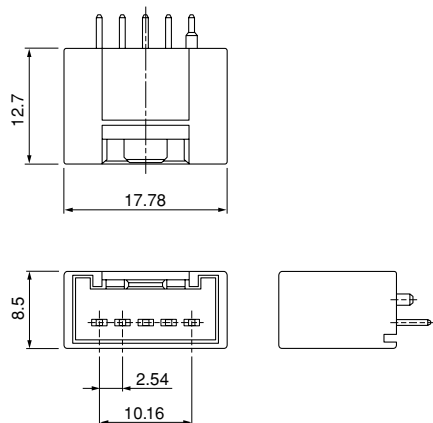


#### • 5 circuits



### Outer lock type

#### • 5 circuits



| Type                    | Circuits | Model No.      | Q'ty/box | Housing Color   |
|-------------------------|----------|----------------|----------|-----------------|
| Inner lock              | 3        | B03B-HCMKS     | 480      | Black           |
|                         |          | B03B-HCMSS     | 480      | Natural (White) |
|                         | 5        | B05B-AHCMKK    | 288      | Black           |
|                         |          | B05B-AHCMKS    | 288      | Natural (White) |
|                         | 6        | B06B-HCMKK     | 240      | Black           |
|                         |          | B06B-HCMSK     | 240      | Natural (White) |
| Inner lock (Screw hole) | 4        | B04B-HCMKS-R   | 240      | Black           |
|                         |          | B04B-HCMKS-RA  | 240      | Black           |
|                         |          | B04B-HCMKS-2R  | 240      | Black           |
|                         | 5        | B05B2-AHCMKS-A | 270      | Black           |
| Outer lock              | 5        | B05B-HCMKS-R   | 432      | Black           |
|                         |          | B05B-HCMSS-R   | 432      | Natural (White) |

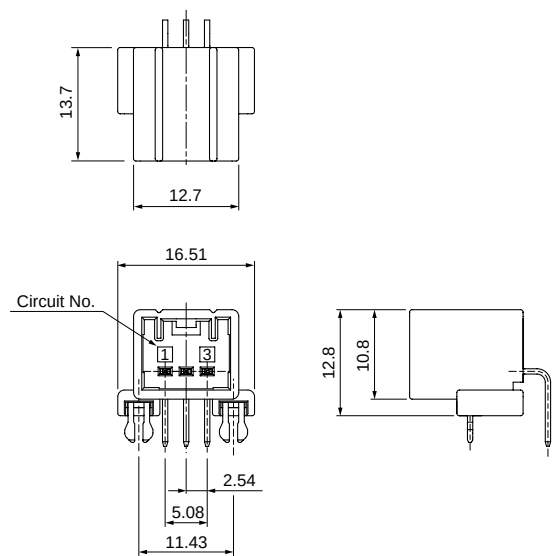
#### Material and Finish

Housing: Glass-filled PBT  
Pin: Brass, tin-plated

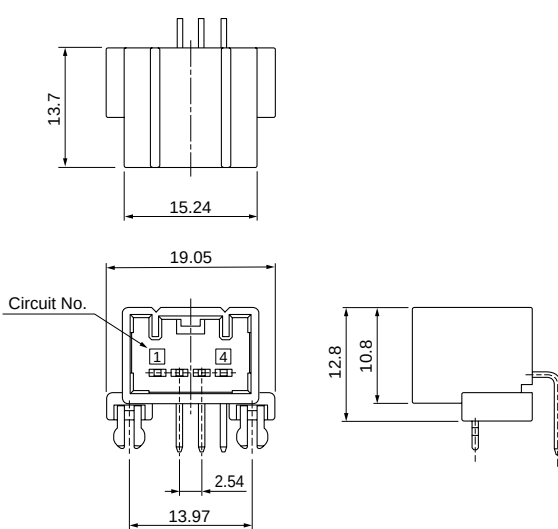
Male connector (Side entry type)

Reinforcement type

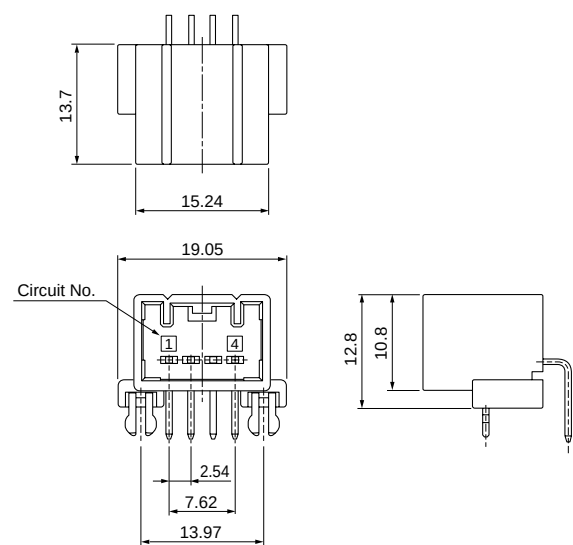
● 3 circuits (S03B1-HCMKS)



● 3 circuits (S04B1A-HCMKS)

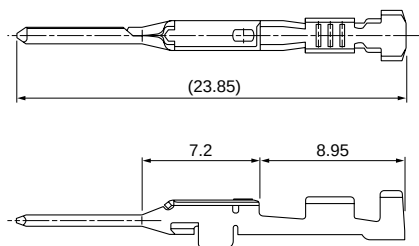


● 4 circuits



| Circuits                  | Model No.    | Q'ty/box | Housing Color   |
|---------------------------|--------------|----------|-----------------|
| 3                         | S03B1-HCMKS  | 180      | Black           |
|                           | S04B1A-HCMKS | 165      | Black           |
| 4                         | S04B1-HCMKS  | 165      | Black           |
|                           | S04B1-HCMSS  | 165      | Natural (White) |
| Material and Finish       |              |          |                 |
| Housing: Glass-filled PBT |              |          |                 |
| Pin: Brass, tin-plated    |              |          |                 |

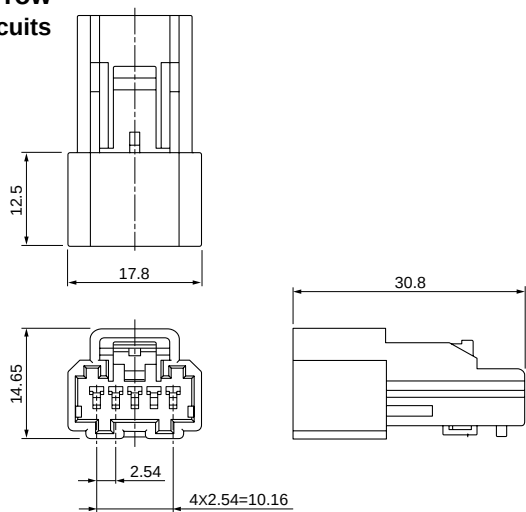
Male terminal



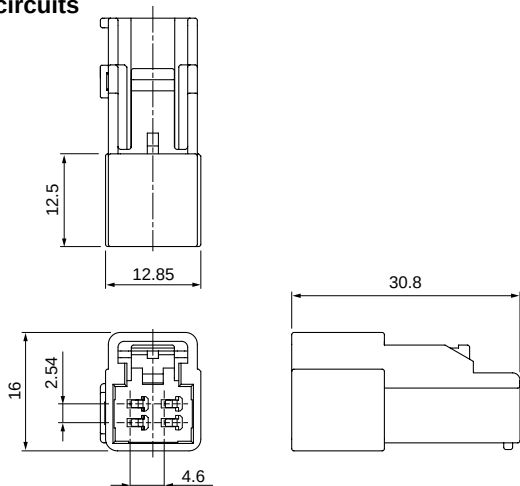
| Model No.                            | Applicable wire range        |                      | Q'ty/reel |
|--------------------------------------|------------------------------|----------------------|-----------|
|                                      | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| SHCMW-A03T-040                       | 0.3 to 0.5                   | ≤1.9                 | 5,000     |
| Material and Finish                  |                              |                      |           |
| Brass, tin-plated (reflow treatment) |                              |                      |           |

Male connector (Wire-to-wire)

Single row  
● 5 circuits

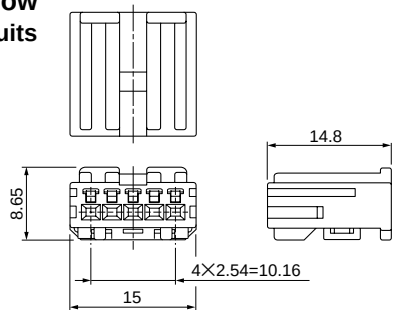


Dual row  
● 4 circuits

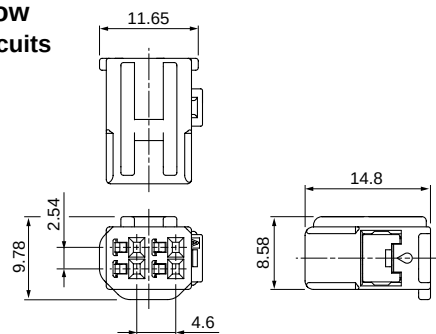


Female connector

Single row  
● 5 circuits



Dual row  
● 4 circuits



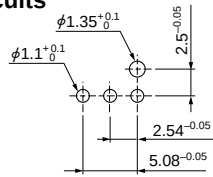
| Type                | Circuits | Model No.           | Q'ty/box | Housing Color   |
|---------------------|----------|---------------------|----------|-----------------|
| Single row          | 5        | <b>HCMWSB-05-K</b>  | 200      | Black           |
| Dual row            | 4        | <b>HCMDWSB-04-S</b> | 250      | Natural (White) |
| Material and Finish |          |                     |          |                 |
| Housing: PBT        |          |                     |          |                 |
| Retainer: PBT, Blue |          |                     |          |                 |

| Type                | Circuits | Model No.           | Q'ty/box | Housing Color   |
|---------------------|----------|---------------------|----------|-----------------|
| Single row          | 5        | <b>HCMWPB-05-K</b>  | 500      | Black           |
| Dual row            | 4        | <b>HCMDWPB-04-S</b> | 13,000   | Natural (White) |
|                     |          | <b>HCMDWPB-04-K</b> | 13,000   | Black           |
| Material and Finish |          |                     |          |                 |
| Housing: PBT        |          |                     |          |                 |
| Retainer: PBT, Blue |          |                     |          |                 |

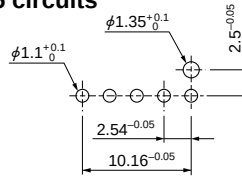
## PC board layout

### Top entry type

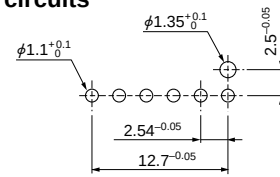
#### • 3 circuits



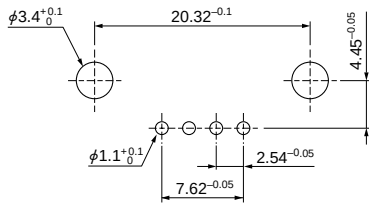
#### • 5 circuits



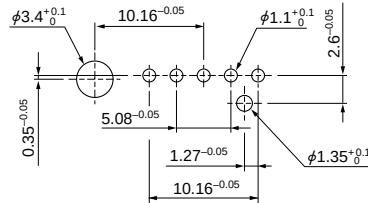
#### • 6 circuits



#### • 4 circuits (with screw hole)

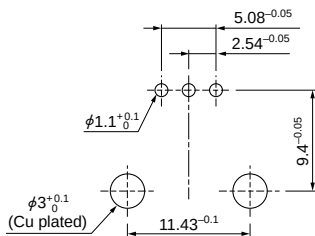


#### • 5 circuits (with screw hole)

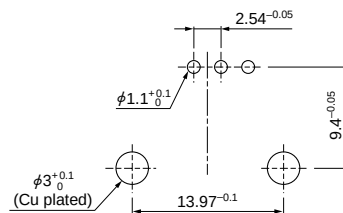


### Side entry type (with reinforcement)

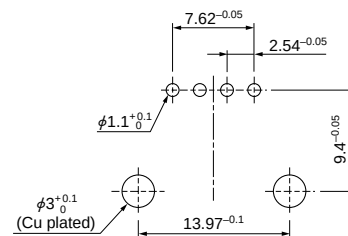
#### • 3 circuits



#### • 3 circuits (with 4 circuits housing)



#### • 4 circuits

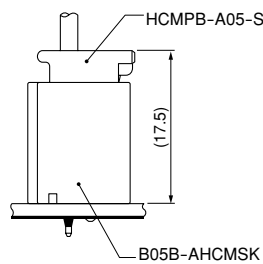
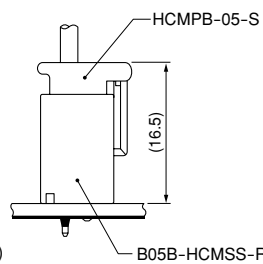
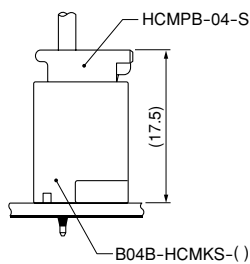


Note: 1. Tolerances are non-cumulative.

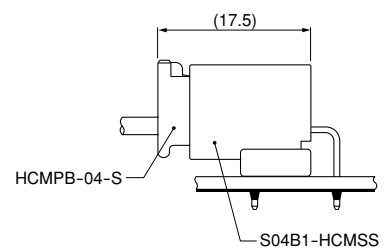
2. Hole dimensions differ according to the type of PC board and piercing method.  
The dimensions above should serve as guideline. Contact JST for details.

## Assembly layout

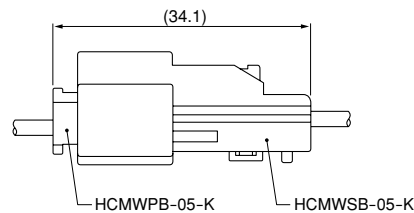
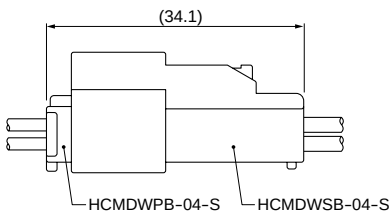
### Top entry type



### Side entry type



### Wire-to-wire type



## 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        | APL MK SHCM-A03-025        |
| SHCM-A04T-P025 |                  | MK/SHCM-A04-025        | APL MK SHCM-A04-025        |
| SHCMW-A03T-040 |                  | MK/SHCMW-A03-040       | APL MK SHCMW-A03-040       |

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