

The miniaturization is realized as air-bag ECU I/O connector for automobile.

This product has various circuit development and several adoption results proven, hence it enables to select the type to meet the automobile.

### ■ Features

#### ● Two types circuits

60 circuit and 36 circuit types are available, and the specifications matched to the automobile are selectable.

#### ● Incomplete mating detection mechanism

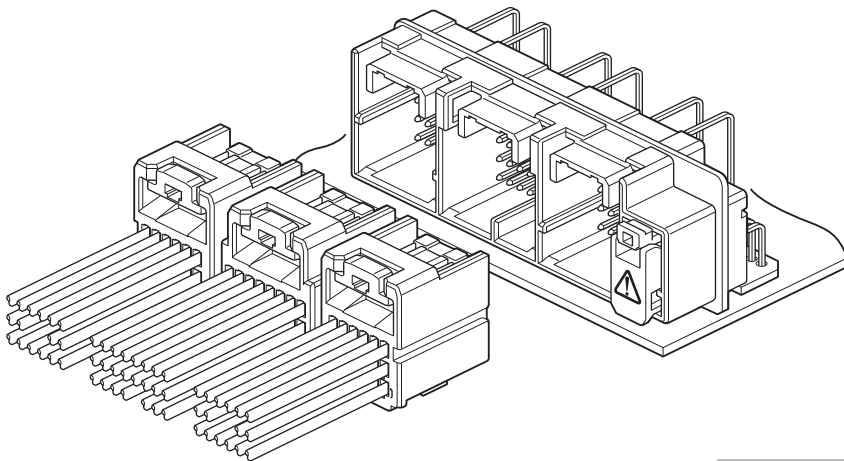
Mis-insertion and insertion error at the assembly line can detect with a CPA terminal.

#### ● Terminal construction

It is designed to prevent the deformation of the contact area when processing wire harness by protecting the contact area of each terminal with a box.

#### ● Press-fit

There are dip type and press-fit type in the male connector.



### ■ Specifications

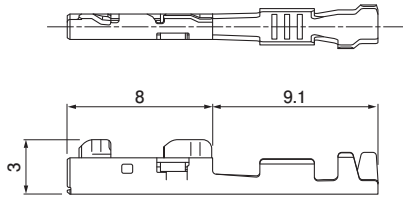
- Current rating: 5 A AC, DC (0.5 mm<sup>2</sup>, Single circuit)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.  
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 100 VDC/minute
- Applicable wire: AVSS/CAVS  
0.64 Terminal S; 0.3 mm<sup>2</sup> to 0.5 mm<sup>2</sup>  
CHFUS  
0.64 Terminal SSS/SS; 0.13 mm<sup>2</sup> to 0.35 mm<sup>2</sup>

\* Compliant with ELV/RoHS.

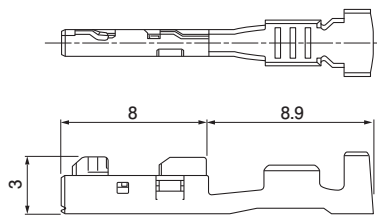
\* Contact JST for details.

## Female terminal

### ●0.64 Female terminal SSS/SS



### ●0.64 Female terminal S



| Terminal  | Model No.             | Applicable wire range        |                      | Q'ty/reel |
|-----------|-----------------------|------------------------------|----------------------|-----------|
|           |                       | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| *0.64 SSS | ①SNAC3-A001T-M0.64    | 0.13                         | 0.85                 | 6,000     |
| *0.64 SS  | ①SNAC3-A011T-M0.64    | 0.22 to 0.35                 | 0.95 to 1.10         | 5,000     |
| 0.64 S    | ①SNAC3-A021T-M0.64    | 0.3 to 0.5                   | 1.4 to 1.8           | 5,000     |
|           | ②SNAC3-A021GI-M0.64-1 |                              |                      |           |
|           | ③SNAC3-A021GF-M0.64-1 |                              |                      |           |

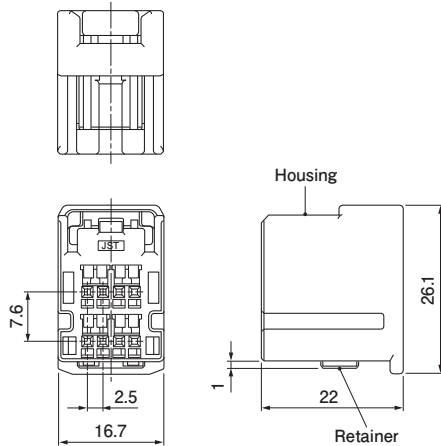
#### Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated,  
Male contact area; tin-plated (reflow treatment)  
Short terminal contact area; gold-plated
- ③Copper alloy, nickel-undercoated,  
Male contact area; gold-plated  
Short terminal contact area; gold-plated

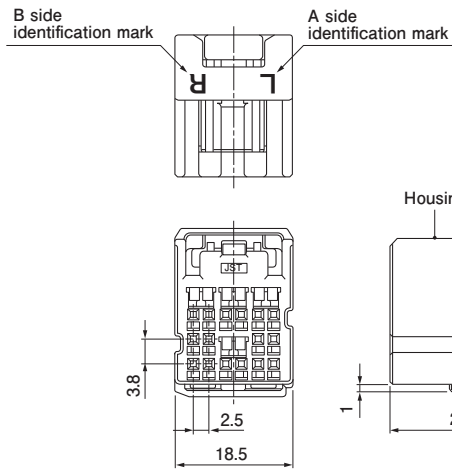
Note: \*Please contact JST about the use of these parts.

## Female connector

### ●8 circuits

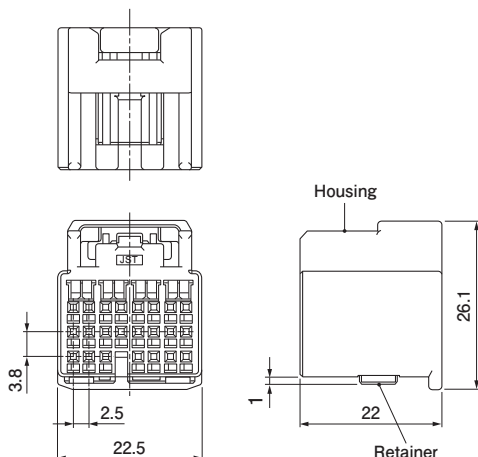


### ●16 circuits



| Model No.  |            |
|------------|------------|
| 16CIT-B-1A | 16CIT-B-2A |
| A figure   | B figure   |

### ●23 circuits



| Circuits | Model No.  | Q'ty/box |
|----------|------------|----------|
| 8        | 08CIT-B-1A | 84       |
| 16       | 16CIT-B-1A | 72       |
|          | 16CIT-B-2A | 72       |
| 23       | 23CIT-B-1A | 60       |

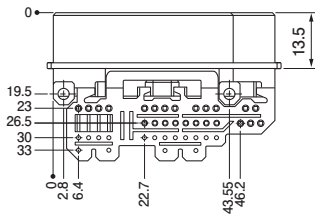
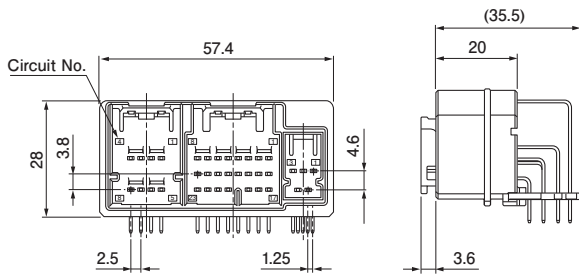
#### Material and Finish

- Housing: PBT, yellow
- Lock housing: Glass-filled PBT, yellow
- Short terminal: Copper alloy, nickel-undercoated,  
Contact area; gold-plated
- CPA terminal: Copper alloy, nickel-undercoated,  
Contact area; gold-plated
- Retainer: PBT, natural (white)

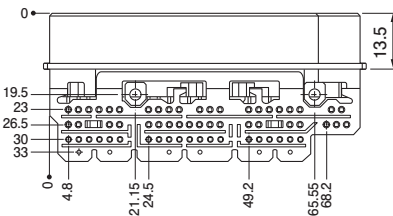
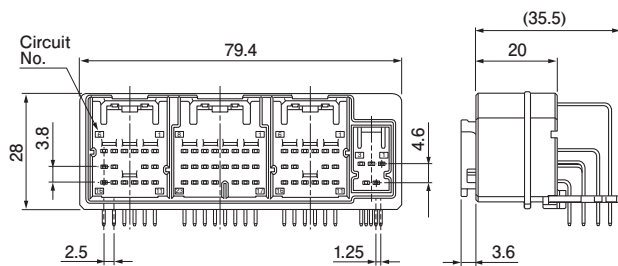
## Male connector

### Dip type

#### ●36 circuits

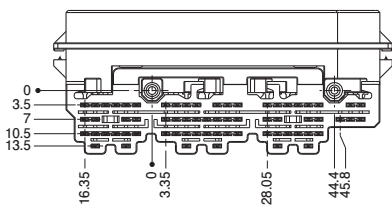
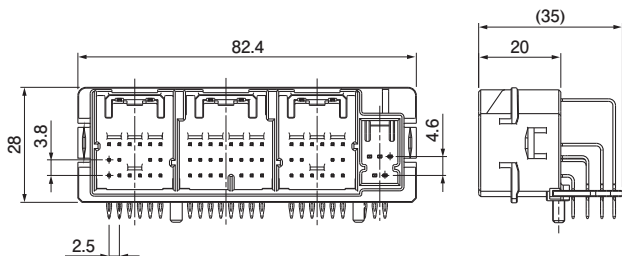


#### ●60 circuits



### Press-fit type

#### ●60 circuits



### Dip type

| Circuits | Model No.       | Q'ty/box |
|----------|-----------------|----------|
| 36       | S36B-CITYTP-01B | 126      |
| 60       | S60B-CITYTP-01B | 98       |

#### Material and Finish

0.64 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)  
 1.0 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)  
 CPA pin: Brass, nickel-undercoated, Contact area; gold-plated  
 Solder tail; tin-plated (reflow treatment)

Housing: Glass-filled PBT, yellow  
 Tine-plate: Glass-filled PBT, natural (white)  
 Protect cap: PBT, yellow

### Press-fit type

| Circuits | Model No.         | Q'ty/box |
|----------|-------------------|----------|
| 60       | S60B-CITYTP-P-04B | 60       |

#### Material and Finish

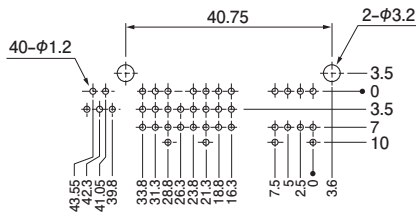
0.64 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment)  
 0.64 pin(L): Phosphor bronze, nickel-undercoated, Contact area; gold-plated  
 Press-fit area; tin-plated (reflow treatment)  
 1.0 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment)  
 CPA pin: Phosphor bronze, nickel-undercoated, Contact area; gold-plated  
 Press-fit area; tin-plated (reflow treatment)

Housing: Glass-filled PBT, yellow  
 Tine-plate: Glass-filled PBT, natural (white)  
 Protect cap: PBT, yellow

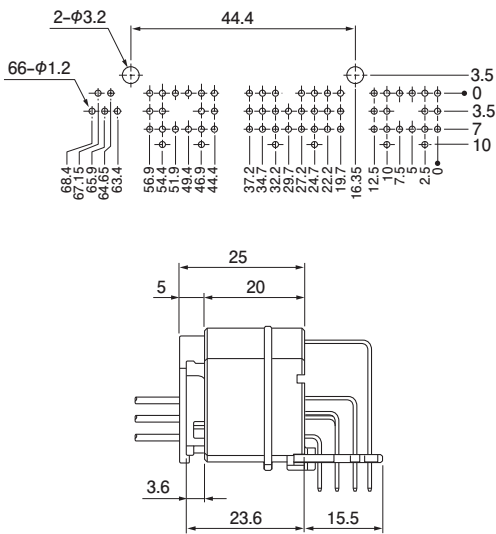
## PC board layout, Assembly layout

### Dip type

#### ●36 circuits

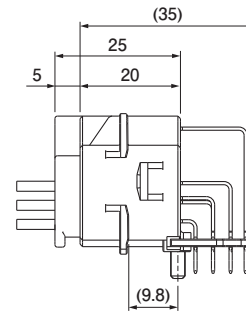
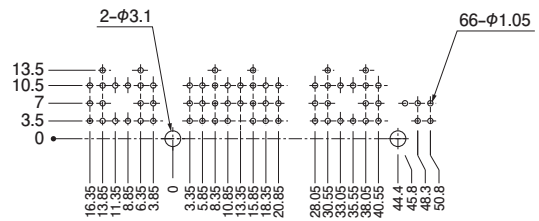


#### ●60 circuits



### Press-fit type

#### ●60 circuits



Note: 1. Tolerances are non-cumulative: 0.05 mm for all centers.  
 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.

## Crimping machine, Applicator, Hand crimp tool

| Strip terminal       | Crimping machine | Crimp applicator MKS-L |                            | Hand crimp tool | Applicable wire  |
|----------------------|------------------|------------------------|----------------------------|-----------------|------------------|
|                      |                  | Dies                   | Crimp applicator with dies |                 |                  |
| SNAC3-A001T-M0.64    | AP-K2N           | MK/SNAC3-A001-064      | APLMK SNAC3-A001-064       | —               | —                |
| SNAC3-A011T-M0.64    |                  | MK/SNAC3-A011-064      | APLMK SNAC3-A011-064       | —               | —                |
| SNAC3-A021T-M0.64    |                  | MK/SNAC3-A021-064      | APLMK SNAC3-A021-064       | YRK-1003        | AVSS0.5, CAVS0.5 |
| SNAC3-A021GI-M0.64-1 |                  |                        |                            | —               | —                |
| SNAC3-A021GF-M0.64-1 |                  |                        |                            | —               | —                |

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