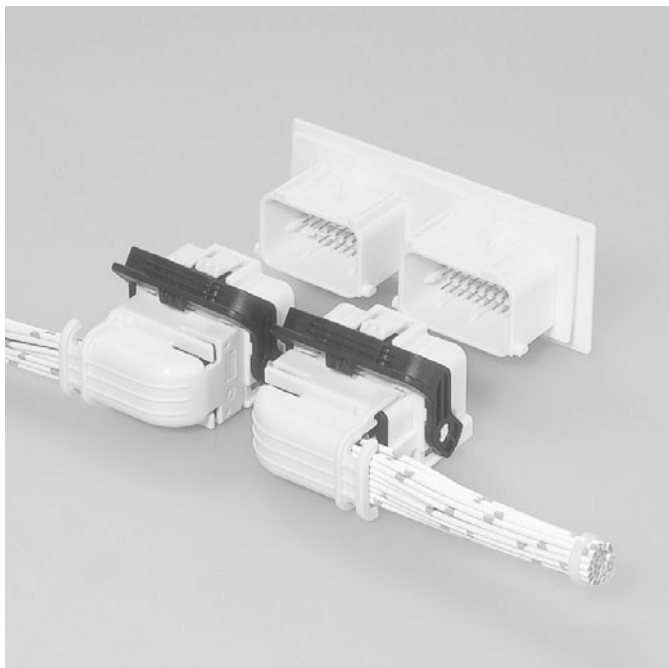




### Features

#### ●Variation

Contact JST for pin arrangement/housing color/key code.  
Dip type and press-fit type are available for connecting at PC board side.

#### ●Terminal construction

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

#### ●Mating

CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

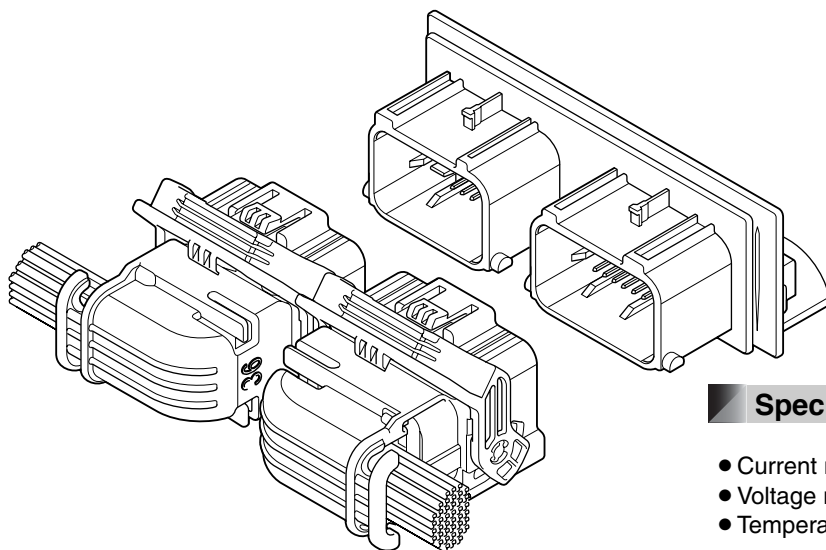
The lever mechanism is adopted to decrease the insertion force in mating male and female.

#### ●Sealed

Mat seal is adopted for improving the workability of harness assembling.

This is ECU I/O connector for automobile air-bag of the miniaturization and sealed type.

This connector has the various pin arrangement/color/key code/PC board connecting method corresponding to needs, hence the connector type suitable for the vehicle can be selected.

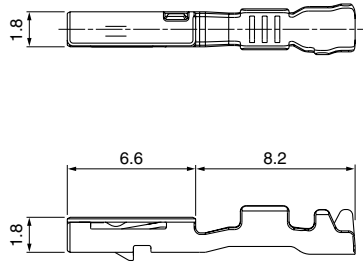


### Specifications

- Current rating: 5A AC, DC max.
- Voltage rating: 14V DC max.
- Temperature range: -40°C to +120°C  
(including temperature rise in applying electrical current)
- Contact resistance:
  - Female terminal; Initial value/10mΩ max.  
After environmental testing/20mΩ max.
  - Short terminal; Initial value/50mΩ max.  
After environmental testing/100mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS/ AESSX (F)  
0.5mm<sup>2</sup>

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

## Female terminal



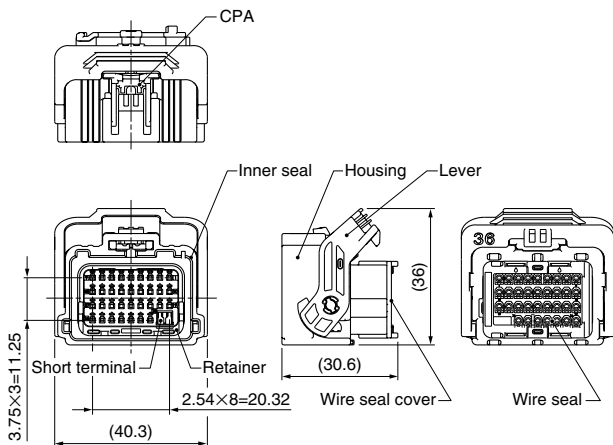
| Model No.                | Applicable wire range        |                      | Q'ty/reel |
|--------------------------|------------------------------|----------------------|-----------|
|                          | Conductor (mm <sup>2</sup> ) | Insulation O.D. (mm) |           |
| <b>SWPH-A021GF-M0.64</b> | 0.5                          | 1.7                  | 10,000    |

### Material and Finish

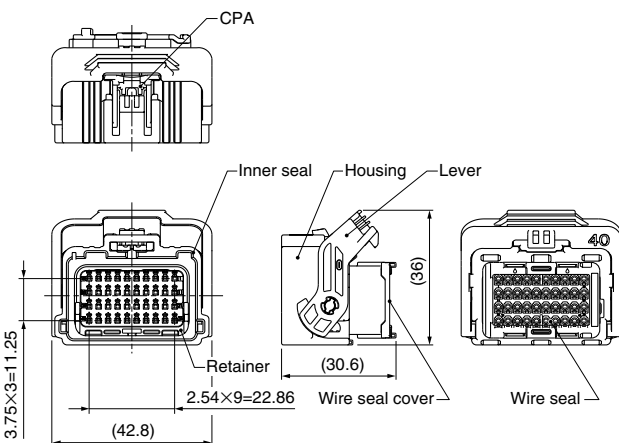
Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

## Female connector

### • 36 circuits



### • 40 circuits



| Circuits | Model No.            | Q'ty/box |
|----------|----------------------|----------|
| 36       | <b>36WIC-B-1A-01</b> | 280      |

### Material and Finish

Housing: Glass-filled PBT, yellow  
 Retainer: Glass-filled PBT, black  
 Lever: Glass-filled PBT, black  
 CPA housing: Glass-filled PBT, black  
 Wire seal cover: Glass-filled PBT, black  
 Inner seal: Silicone, green  
 Wire seal: Silicone, green  
 Short terminal: Copper alloy, nickel-undercoated, tin-plated,  
 Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available.  
 Contact JST for details.

| Circuits | Model No.            | Q'ty/box |
|----------|----------------------|----------|
| 40       | <b>40WIC-B-1A-01</b> | 280      |

### Material

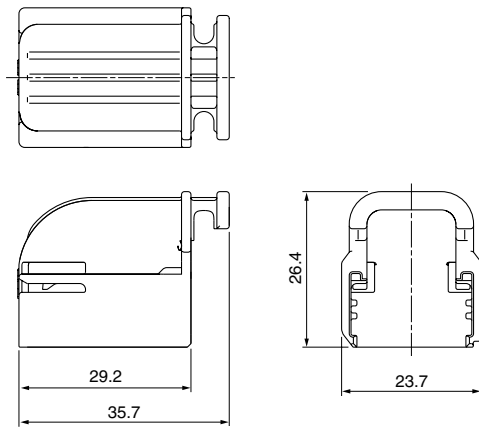
Housing: Glass-filled PBT, yellow  
 Retainer: Glass-filled PBT, black  
 Lever: Glass-filled PBT, black  
 CPA housing: Glass-filled PBT, black  
 Wire seal cover: Glass-filled PBT, black  
 Inner seal: Silicone, red  
 Wire seal: Silicone, red

Note: Color/Key codes other than above-mentioned housing are also available.  
 Contact JST for details.

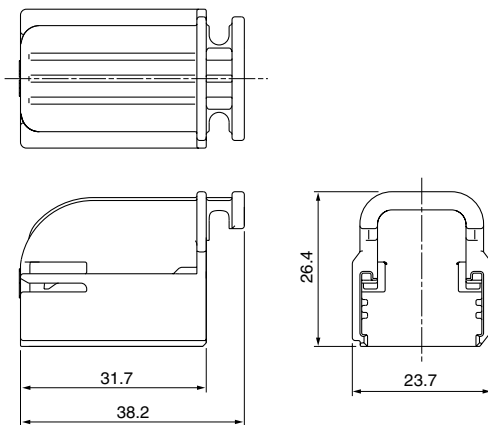
# WIC CONNECTOR

## Female harness cover

### • 36 circuits

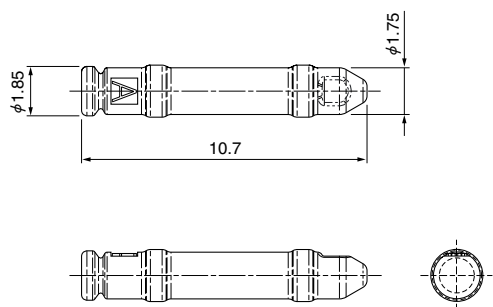


### • 40 circuits



| Circuits                          | Model No.        | Q'ty/box |
|-----------------------------------|------------------|----------|
| 36                                | <b>WICC-36-S</b> | 400      |
| 40                                | <b>WICC-40-S</b> | 400      |
| Material                          |                  |          |
| Glass-filled PBT, natural (white) |                  |          |

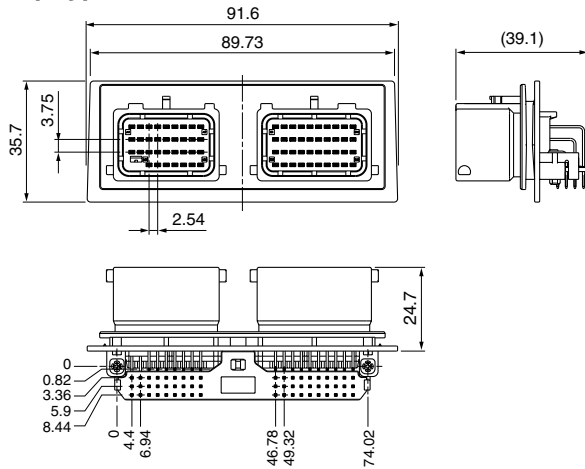
## Female dummy plug



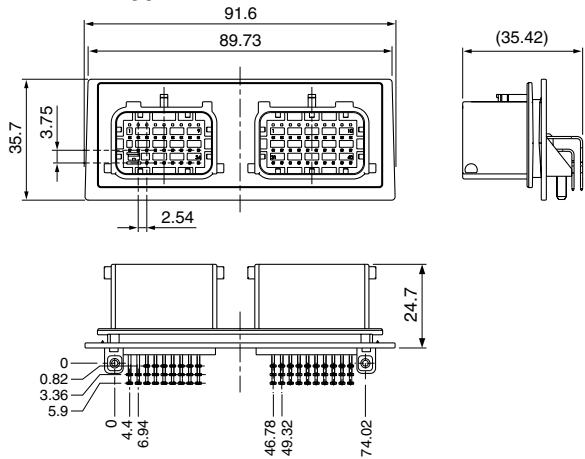
| Model No.           | Q'ty/box |
|---------------------|----------|
| <b>WPHDP-H-1A-H</b> | 7,000    |
| Material            |          |
| PBT, gray           |          |

## Male connector

### Dip type



### Press-fit type



| Circuits | Model No.            | Q'ty/box |
|----------|----------------------|----------|
| 38       | <b>S38B-WIC01-1A</b> | 120      |

#### Material and Finish

Housing: Glass-filled PBT, yellow  
 Time-plate: Glass-filled PBT, black  
 Pin: Copper alloy, nickel-undercoated, tin-plated,  
 Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available.  
 Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.

| Circuits | Model No.                 | Q'ty/box |
|----------|---------------------------|----------|
| 22       | <b>S54(76)B-WICP01-1A</b> | 60       |

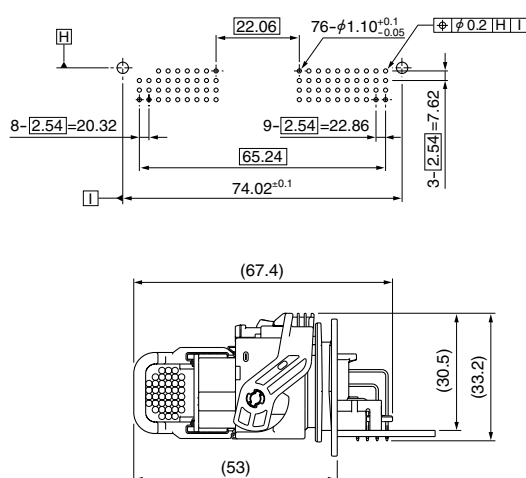
#### Material and Finish

Housing: Glass-filled PBT, light blue  
 Pin: Phosphor bronze, nickel-undercoated,  
 Press-fit area; tin-plated, Contact area; gold-plated

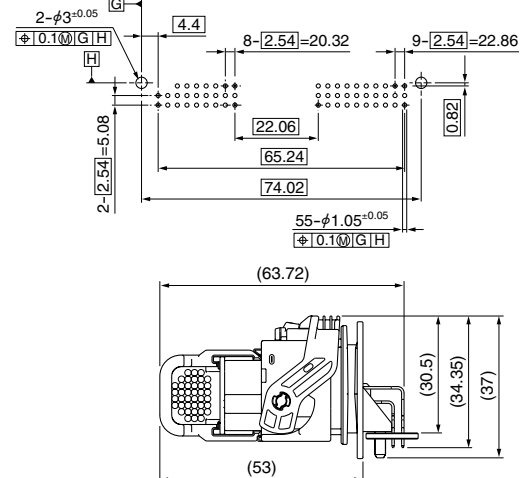
Note: Color/Key codes other than above-mentioned housing are also available.  
 Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.

## PC board layout, Assembly layout

### Dip type



### Press-fit type



## Crimping machine, Applicator

| Strip terminal           | Crimping machine | Crimp applicator MKS-L |                            |
|--------------------------|------------------|------------------------|----------------------------|
|                          |                  | Dies                   | Crimp applicator with dies |
| <b>SWPH-A021GF-M0.64</b> | AP-K2N           | MK/SWPH-A021-064       | APLMK SWPH-A021-064        |

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JST:

[40WIC-B-1A-06](#) [WICC-36-S](#) [36WIC-B-1A-01](#) [WICC-40-S](#) [WPHDP-H-1A-H](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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