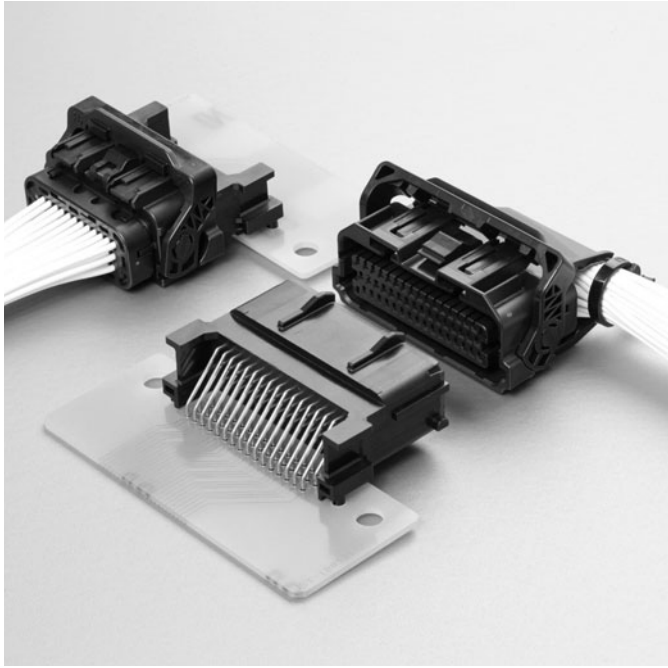


ZRO CONNECTOR

Board-to-wire



This connector is an interface connector, 48 and 36 circuits sealed and lever type.

Features

●Improvement of Operability

The lever is adopted to decrease the connector mating force. The fixing part to PC board is snap fit configuration in consideration of the workability when assembling.

●Sealed

Mat seal is adopted for improving the workability of wire seal part.

●Durability

Heat resistant specification corresponding to 120°C.

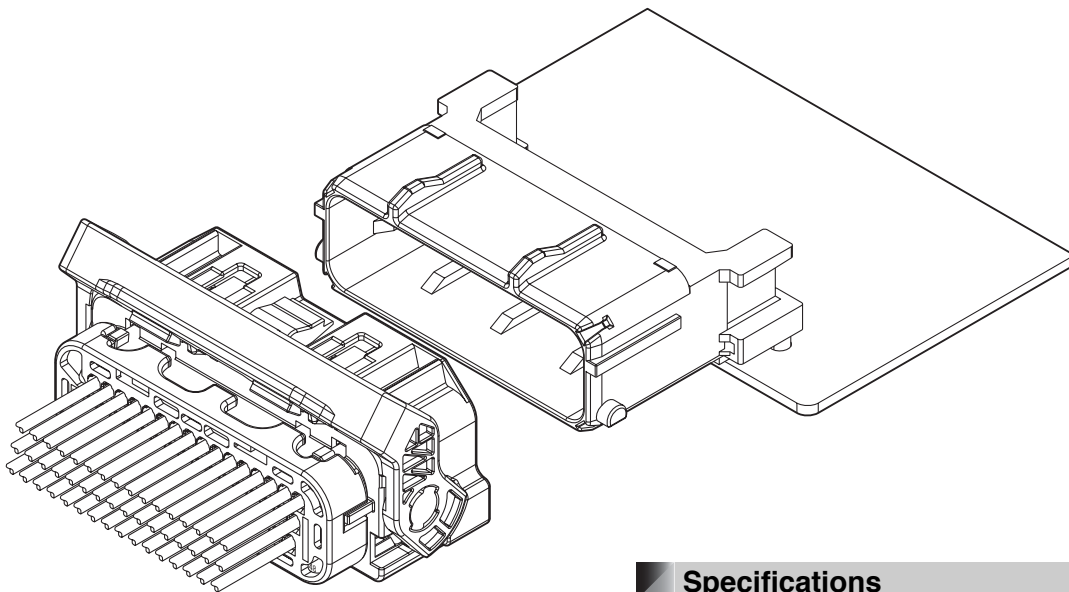
●Reduced waste structure

Low cost and low resources are realized by abolishing use of the wire rod pin and the alignment board.

●Variations

This connector is available in two kinds of keying codes. If the harness cover of an option is used, the harness can be taken out from the side.

Circuits: Lineup of 48 and 36 circuits.



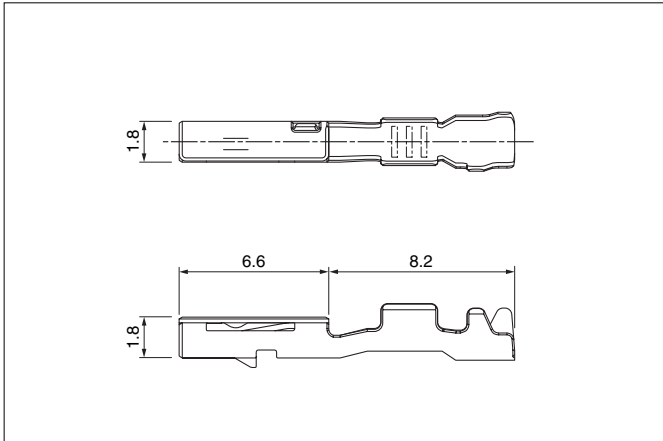
Specifications

- Current rating: Power/ 7 A DC
Signal/ 5 A DC
- Voltage rating: 50 V DC
- Temperature range: -40°C to +120°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: 1,000 VAC/minute
- Applicable wire: AVSS 0.3 mm² to 0.85 mm²
AESSX-f 0.3 mm² to 0.75 mm²

* Compliant with ELV/RoHS.

* Contact JST for details.

Female terminal



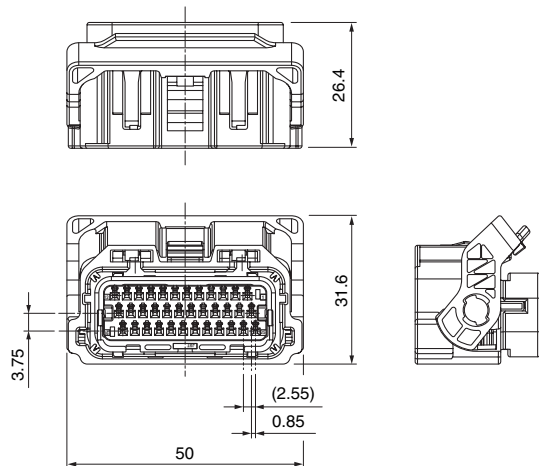
| Model No. | Applicable wire range | | Q'ty/reel |
|-------------------------|------------------------------|----------------------|-----------|
| | Conductor (mm ²) | Insulation O.D. (mm) | |
| SZRO-A021T-M0.64 | 0.3 to 0.5 | 1.4 to 1.7 | 7,500 |
| SZRO-A031T-M0.64 | 0.75 to 0.85 | 1.8 to 1.9 | 7,000 |

Material and Finish

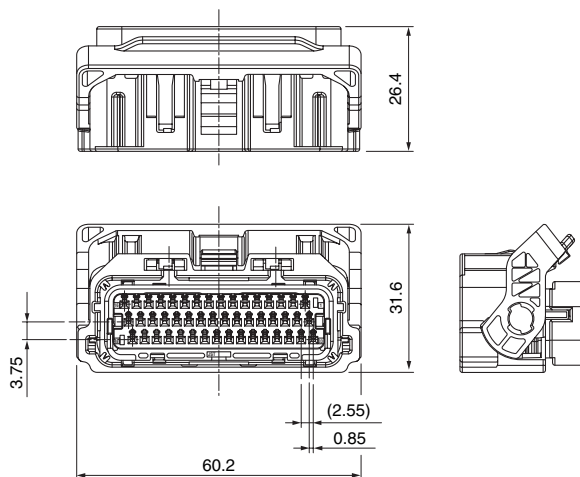
Copper alloy, tin-plated (reflow treatment)

Female connector

• 36 circuits



• 48 circuits



| Circuits | Model No. | Key Code | Applicable wire range (mm ²) | Q'ty/box | Housing Color | Wire seal Color |
|----------|-------------------|----------|--|----------|---------------|-----------------|
| 36 | 36ZRO-B-1A | A | 0.5 to 0.85 | 512 | Black | Brown |
| | 36ZRO-B-1B | B | 0.5 to 0.85 | 512 | Gray | Brown |
| | 36ZRO-B-2A | A | 0.3 to 0.85 (Note) | 512 | Black | Red |
| | 36ZRO-B-2B | B | 0.3 to 0.85 (Note) | 512 | Gray | Red |
| 48 | 48ZRO-B-1A | A | 0.5 to 0.85 | 384 | Black | Brown |
| | 48ZRO-B-1B | B | 0.5 to 0.85 | 384 | Gray | Brown |
| | 48ZRO-B-2A | A | 0.3 to 0.85 (Note) | 384 | Black | Red |
| | 48ZRO-B-2B | B | 0.3 to 0.85 (Note) | 384 | Gray | Red |

Material

Housing: Glass-filled PBT

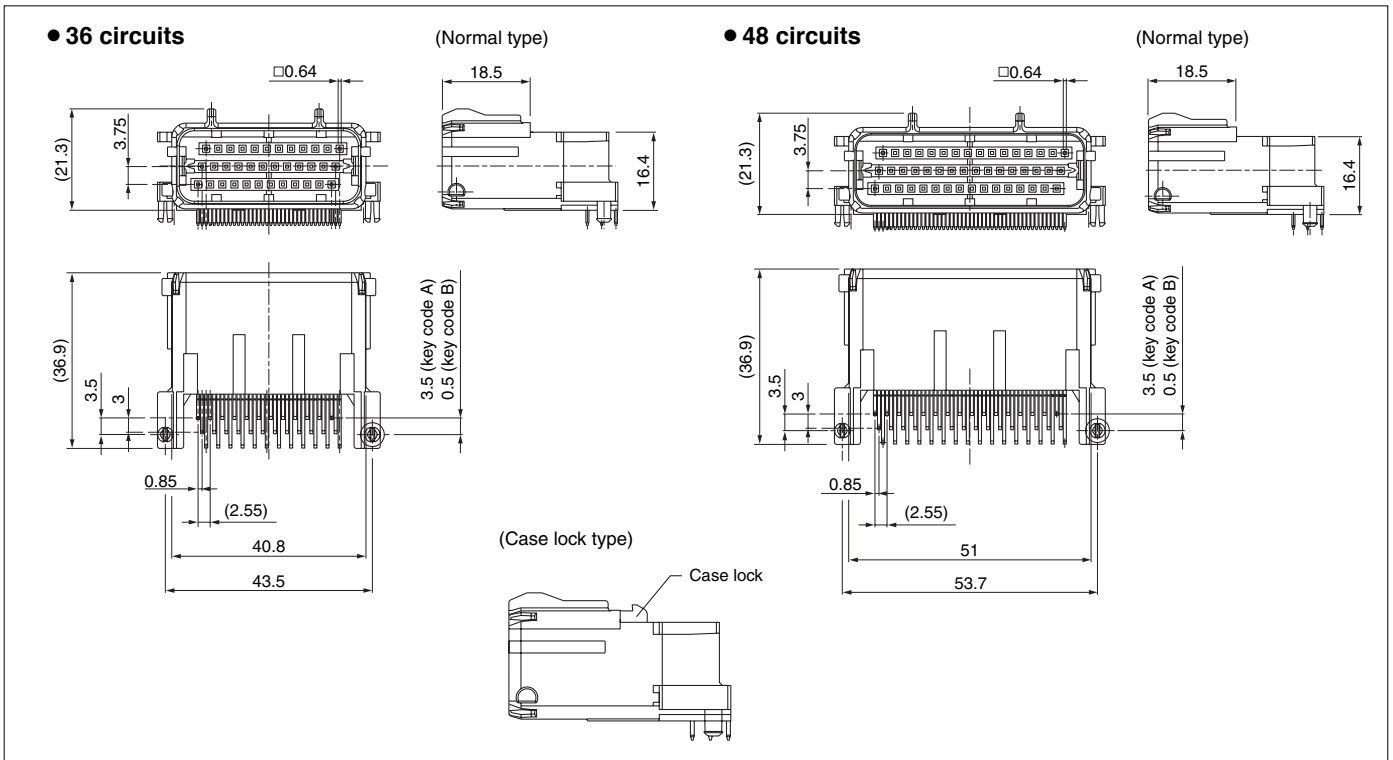
Seal: Silicone

Lever: POM

Note: There is a limit to an arrangement and number of wires when 0.75mm² and 0.85mm² wires applied. Refer to the drawing or contact JST for details.

ZRO CONNECTOR

Male connector

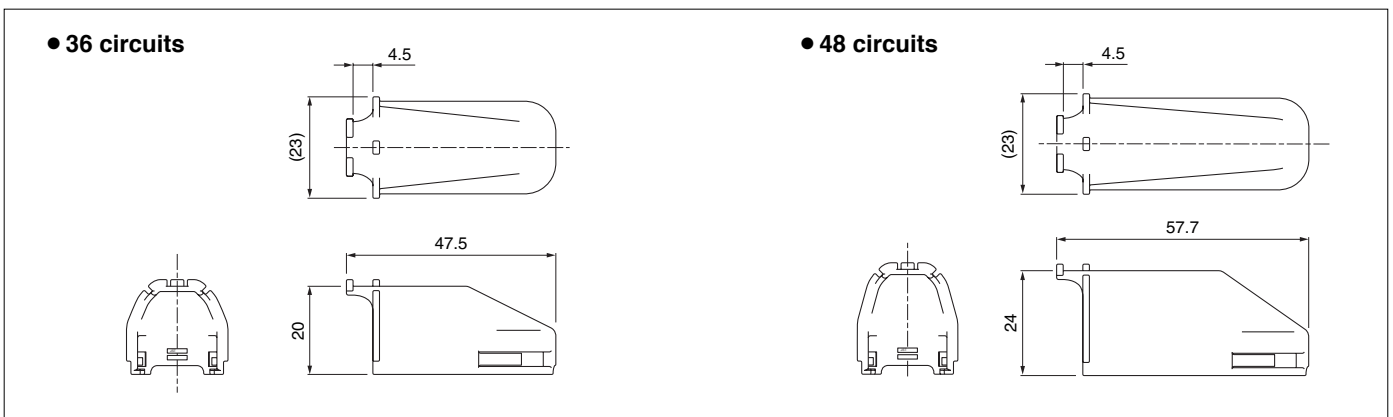


| Type | Circuits | Model No. | Key Code | Q'ty/box | Housing Color |
|-----------|----------|----------------|----------|----------|---------------|
| Normal | 36 | S36B-ZROK-2A-R | A | 240 | Black |
| | | S36B-ZROH-2B-R | B | | Gray |
| | 48 | S48B-ZROK-2A-R | A | 192 | Black |
| | | S48B-ZROH-2B-R | B | | Gray |
| Case lock | 36 | S36B-ZROK-3A-R | A | 240 | Black |
| | | S36B-ZROH-3B-R | B | | Gray |
| | 48 | S48B-ZROK-3A-R | A | 192 | Black |
| | | S48B-ZROH-3B-R | B | | Gray |

Material and Finish

Housing: Glass-filled PBT
Pin: Brass, tin-plated (reflow treatment)

Harness cover

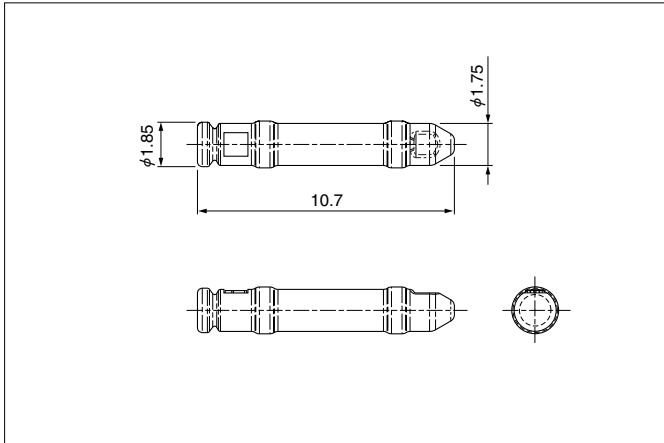


| Circuits | Model No. | Q'ty/box | Housing Color |
|----------|---------------|----------|---------------|
| 36 | ZROHC-36H-K-1 | 900 | Black |
| 48 | ZROHC-48H-K-1 | 600 | Black |

Material

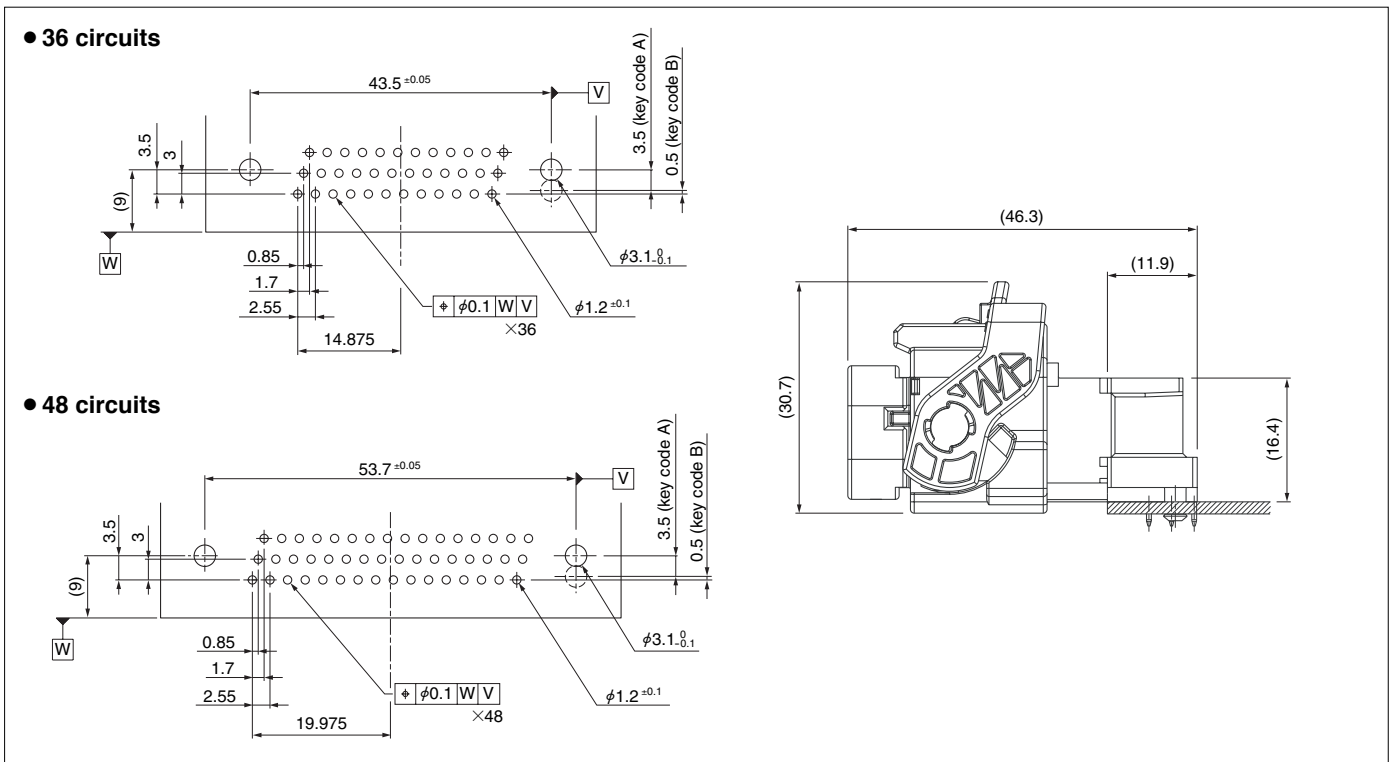
PBT

Dummy plug



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

PC board layout, Assembly layout



Crimping machine, Applicator

| Strip terminal | Crimping machine | Crimp applicator MKS-L | |
|------------------|------------------|------------------------|----------------------------|
| | | Dies | Crimp applicator with dies |
| SZRO-A021T-M0.64 | AP-K2N | MK/SWPH-A021-064 | APLMK SWPH-A021-064 |
| SZRO-A031T-M0.64 | | MK/SZRO-A031-064 | APLMK SZRO-A031-064 |

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

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JST:

[48ZRO-B-1A\(N\)](#) [SZRO-A021T-M0.64](#)

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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