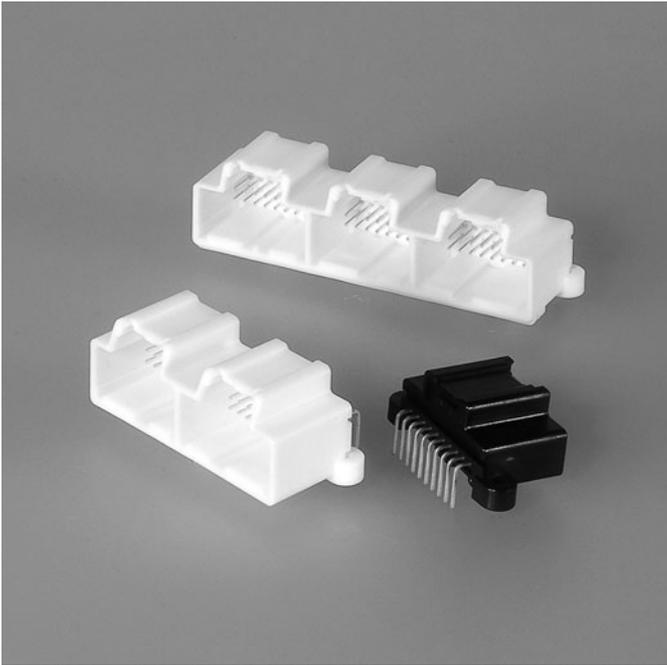


AIT CONNECTOR

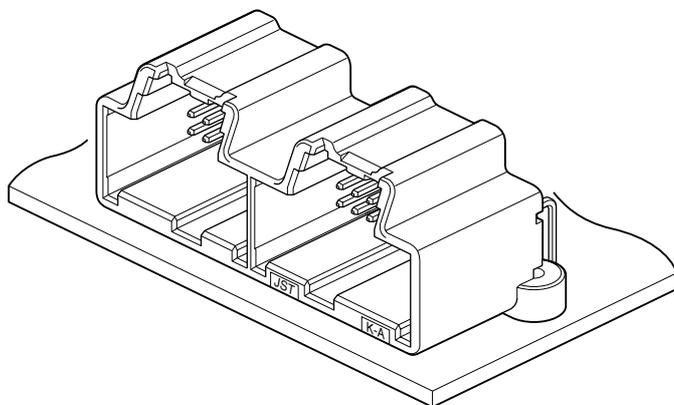
Board-to-wire/Wire-to-wire

Features

- Compliant with the Standard 0.64 Unsealed USCAR Footprints and USCAR Performance Standards
- Variations in PCB mountings



0.64 unsealed connector series compliant with the standard USCAR footprints. Variations of Keying / Color options and PC Board mounting features are available to satisfy customer's needs.

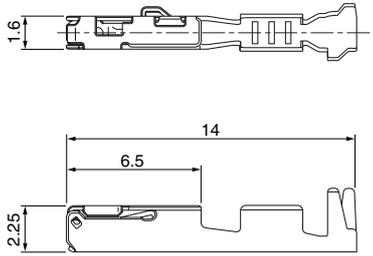


Specifications

- Current rating: 5A DC max.
- Voltage rating: 14V DC
- Temperature range: -40°C to +100°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/15mΩ max. After environmental testing/15mΩ max.
- Insulation resistance: 100MΩ min.
- Applicable wire: SAE/ AVSS / CAVS 0.3mm² to 0.8mm²

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

Female terminal

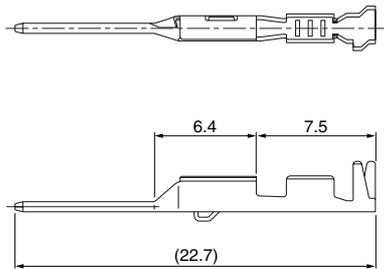


| Size | Model No. | Applicable wire range | | Q'ty/reel |
|------|------------------|------------------------------|----------------------|-----------|
| | | Conductor (mm ²) | Insulation O.D. (mm) | |
| S | ①SAIT-A03T-M064 | 0.3 to 0.5 | ≤1.9 | 6,500 |
| | ②SAIT-A03GF-M064 | 0.3 to 0.5 | ≤1.9 | 6,500 |
| M | ①SAIT-A02T-M064 | 0.75 to 0.8 | ≤1.9 | 6,500 |
| | ②SAIT-A02GF-M064 | 0.75 to 0.8 | ≤1.9 | 6,500 |

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, Contact area; gold-plated
Barrel area; tin-plated

Male terminal



| Size | Model No. | Applicable wire range | | Q'ty/reel |
|------|------------------|------------------------------|----------------------|-----------|
| | | Conductor (mm ²) | Insulation O.D. (mm) | |
| S | ①SAITW-A03T-064 | 0.3 to 0.5 | ≤1.9 | 7,000 |
| | ②SAITW-A03GF-064 | 0.3 to 0.5 | ≤1.9 | 7,000 |
| M | ①SAITW-A02T-064 | 0.75 to 0.8 | ≤1.9 | 7,000 |
| | ②SAITW-A02GF-064 | 0.75 to 0.8 | ≤1.9 | 7,000 |

Material and Finish

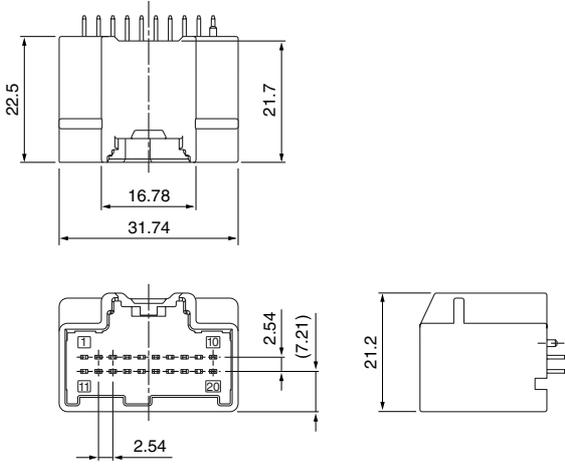
- ①Brass, tin-plated (reflow treatment)
- ②Brass, Contact area; gold-plated
Barrel area; tin-plated

Male connector

Top entry type

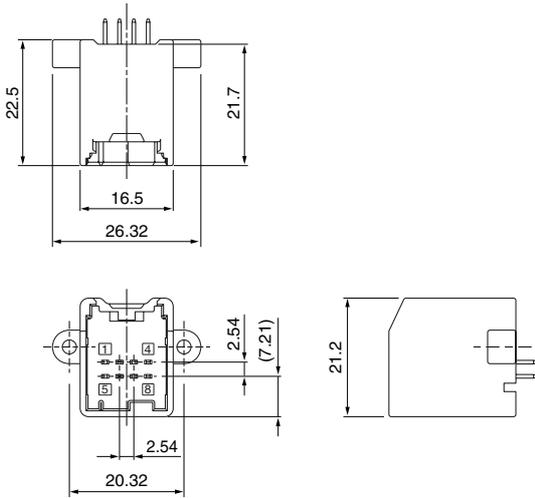
With boss

● 20 circuits

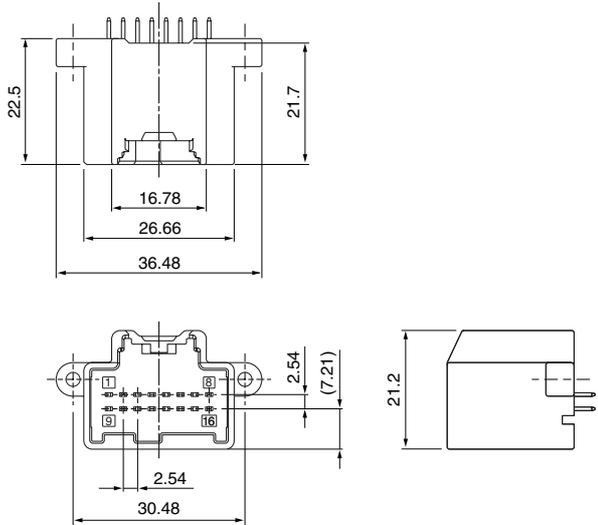


Screw hole type

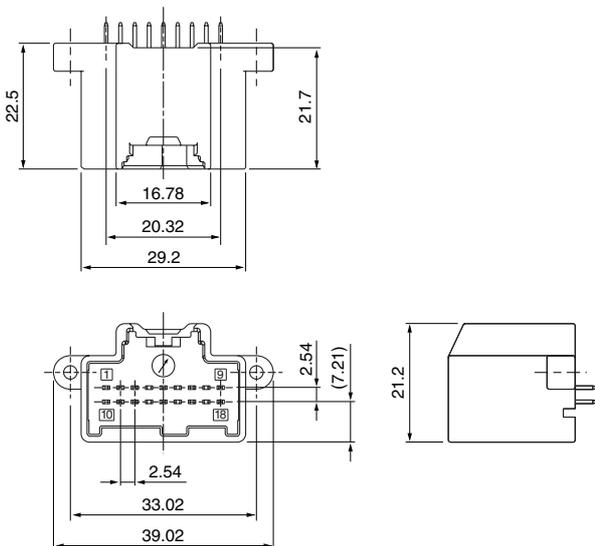
● 8 circuits



● 16 circuits



● 18 circuits



| Circuits | Model No. | Q'ty/box | Housing Color |
|----------|----------------------|----------|-----------------|
| 8 | B08B-AIT-A2B-HS | 96 | Gray |
| | B08B-AIT-A2A-KS | 96 | Black |
| 16 | B16B-AIT-A2A-KS | 60 | Black |
| | B16B-AIT-A2B-HS | 60 | Gray |
| 18 | B18B-AIT-A2F-SS | 60 | Natural (White) |
| 20 | B20B2-AIT-A2A-KS-(M) | 510 | Black |
| | B20B2-AIT-A2C-KS-(M) | 510 | Brown |

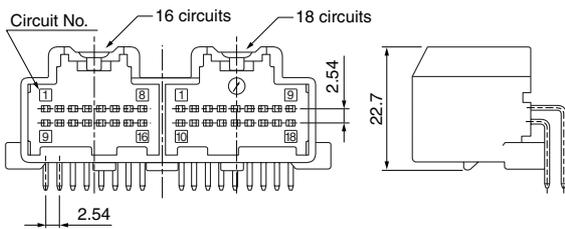
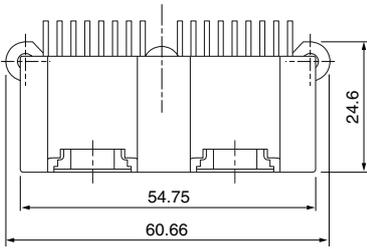
Material and Finish

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

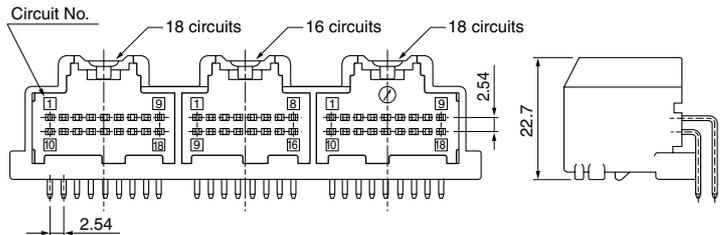
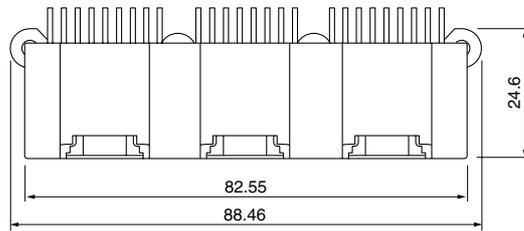
Male connector

Side entry type

● 34 circuits

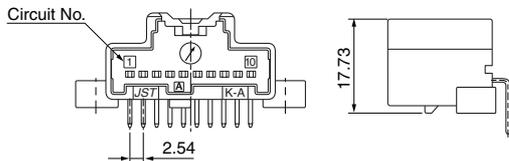
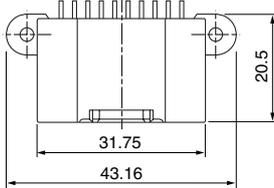


● 52 circuits

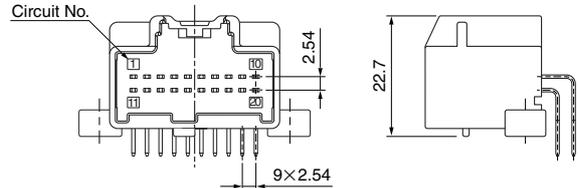
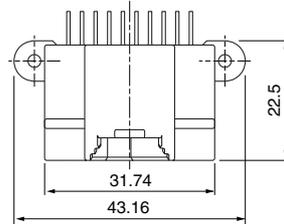


Screw hole type

● 10 circuits

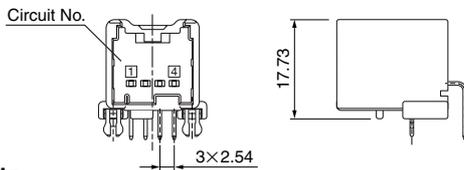
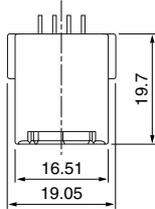


● 20 circuits

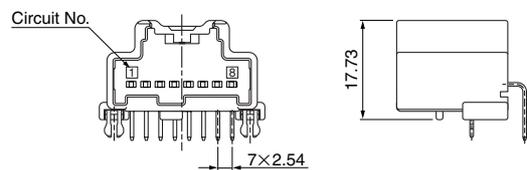
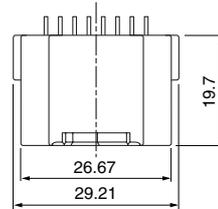


Reinforcement type

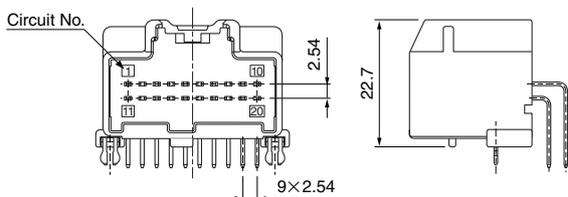
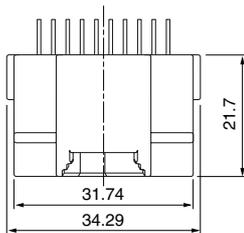
● 4 circuits



● 8 circuits



● 20 circuits



| Type | Circuits | Model No. | Q'ty/box | Housing Color |
|---------|------------------|----------------------|----------|-----------------|
| 1 Block | 4 | S04B1-AIT-A1A-KS | 88 | Black |
| | 8 | S08B1-AIT-A1A-KS | 56 | Black |
| | 10 | *S10B-AIT-A1A-KS-(M) | ** | Black |
| | 20 | S20B-AIT-A2B-HS | 24 | Gray |
| | | S20B-AIT-A2A-KS | 24 | Black |
| | | S20B1-AIT-A2A-KS | 36 | Black |
| | S20B1-AIT-A2B-HS | 36 | Gray | |
| 2 Block | 34 | *S34B-AIT-A22-SS-(M) | ** | Natural (White) |
| 3 Block | 52 | *S52B-AIT-A23-SS-(M) | ** | Natural (White) |

Material and Finish

Housing: Glass-filled PBT

Pin: Brass, tin-plated

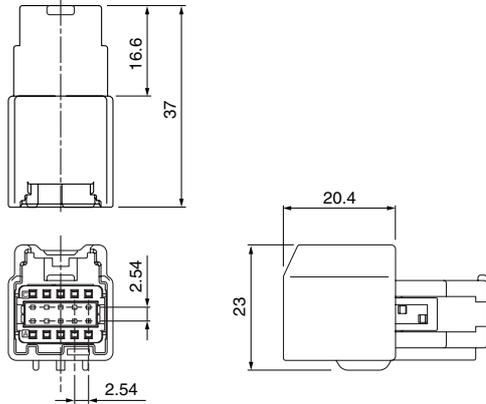
*Marked products display (LF)(SN) on a label.

**Please contact JST.

AIT CONNECTOR

Male connector

● 10 circuits

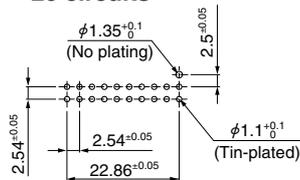


| Circuits | Model No. | Q'ty/box |
|----------------------------------|----------------------|----------|
| 10 | AITWSB-10-2AK | 100 |
| Material | | |
| Housing: Glass-filled PBT, black | | |
| TPA: Glass-filled PBT, red | | |

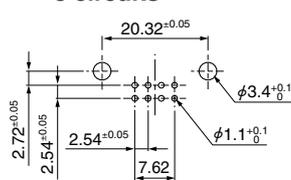
PC board layout

Top entry type

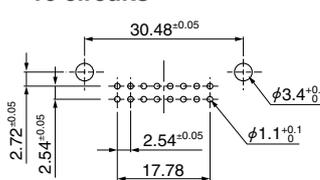
With boss ● 20 circuits



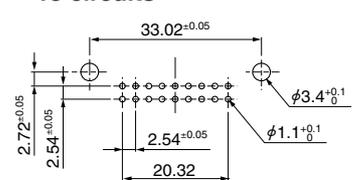
Screw hole type ● 8 circuits



● 16 circuits

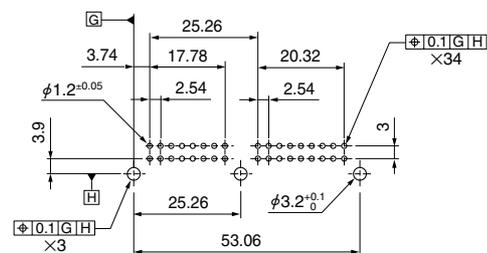


● 18 circuits

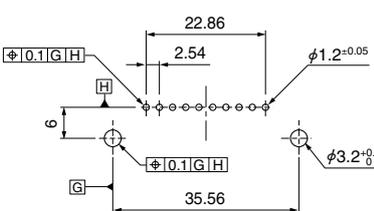


Side entry type

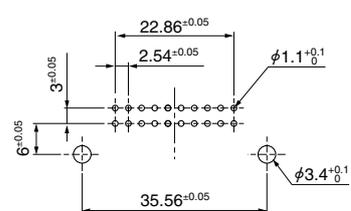
● 34 circuits



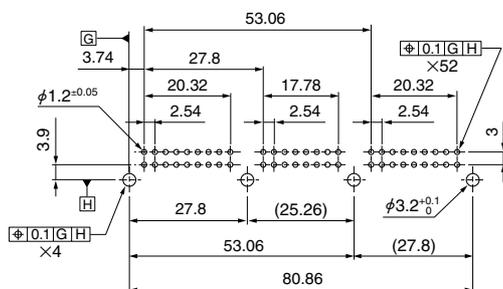
Screw hole type ● 10 circuits



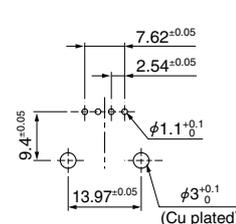
● 20 circuits



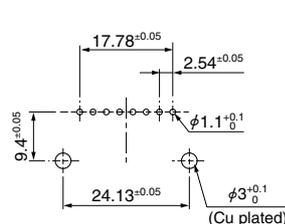
● 52 circuits



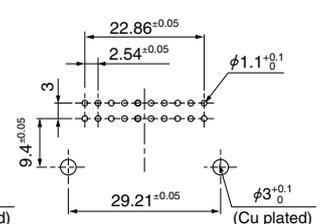
Reinforcement type ● 4 circuits



● 8 circuits



● 20 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.

Crimping machine, Applicator

| Strip terminal | Crimping machine | Crimp applicator MKS-L | |
|------------------|------------------|------------------------|----------------------------|
| | | Dies | Crimp applicator with dies |
| SAIT-A03()-M064 | AP-K2N | MK/SAIT-A03-064 | APLMK SAIT-A03-064 |
| SAIT-A02()-M064 | | MK/SAIT-A02-064 | APLMK SAIT-A02-064 |
| SAITW-A03()-064 | | MK/SAITW-A03-064 | APLMK SAITW-A03-064 |
| SAITW-A02()-064 | | MK/SAITW-A02-064 | APLMK SAITW-A02-064 |

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

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JST:

[AITWSB-10-2AK](#)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru