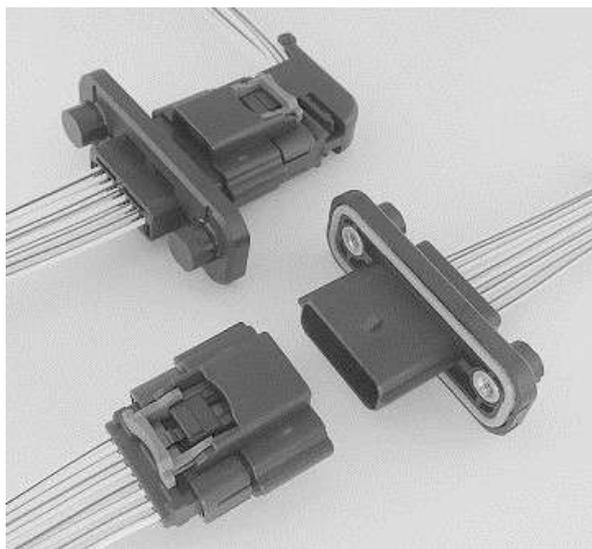


ATSSCONNECTOR

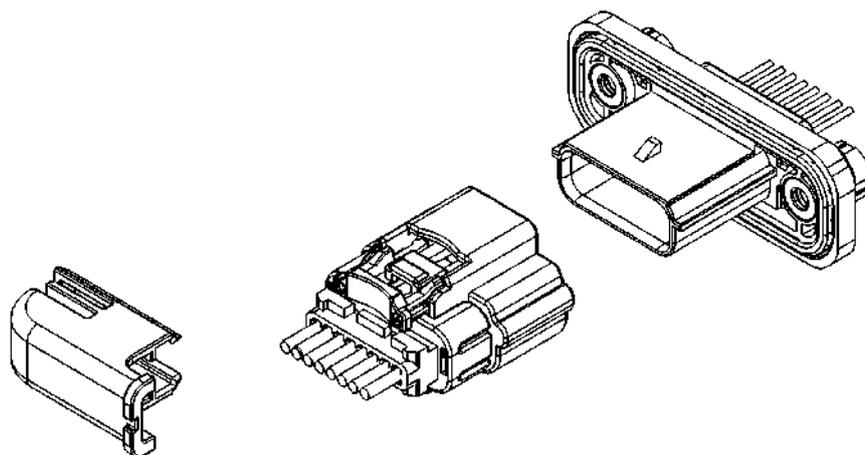
Sealed connectors/Wire-to-wire



Low profile 0.64 mm USCAR Sealed Connectors for automotive applications.

■ Features

- 0.64 Sealed Connector compatible with the USCAR Standard Footprints
- Terminal Position Assurance (TPA)
- (Optional) Connector Position Assurance (CPA)
- Optional Cable Cover available for Cable routing
- Variety of Cavity block options for unused Circuits



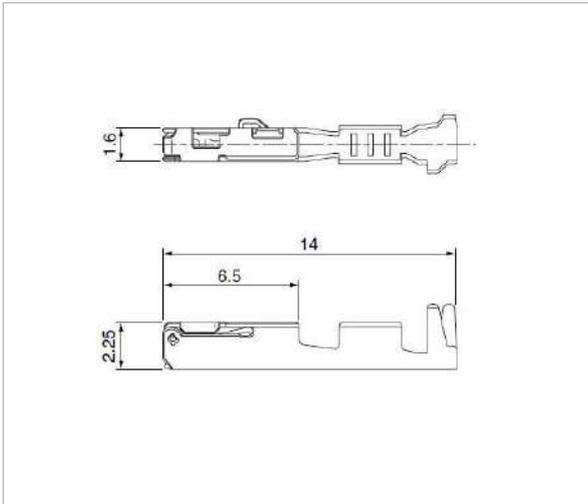
■ Specifications

- Current rating : 3 A AC, DC (0.3 mm²)
5 A AC, DC (0.5 mm²)
7 A AC, DC (0.8 mm²)
- Withstanding voltage : 1,000 VAC /minute
- Temperature range : -40°C to +105°C (Male and Female Connector)
-40°C to +125°C (Female Connector)
(including temperature rise in applying electrical current)
- Contact resistance : Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance : 100 MΩ min.
- Applicable wire : SAE/AVSS/CAVS/FLRY
0.3 mm² to 0.8 mm²

*Compliant with ELV/RoHS2.

*Contact JST for details.

Female terminal

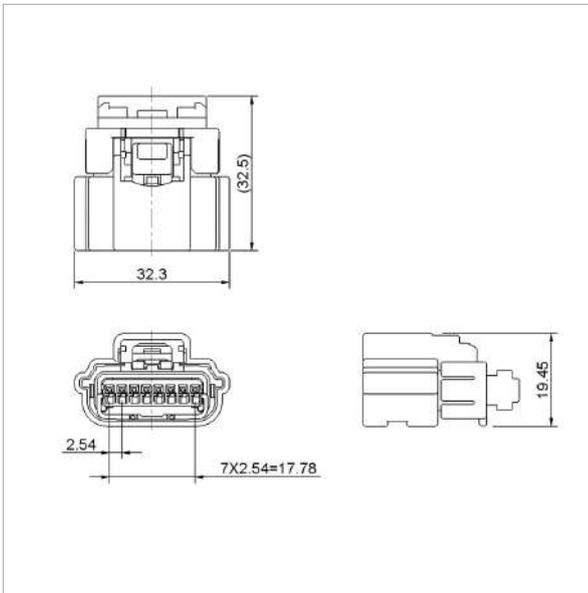


| Model No. | Applicable wire range | | Q'ty/reel |
|------------------|------------------------------|----------------------|-----------|
| | Conductor (mm ²) | Insulation O.D. (mm) | |
| ①SAIT-A03T-M064 | 0.3 to 0.5 | ≤1.9 | 6,500 |
| ①SAIT-A02T-M064 | 0.75 to 0.8 | ≤1.9 | 6,500 |
| ②SAIT-A03GF-M064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

Female connector



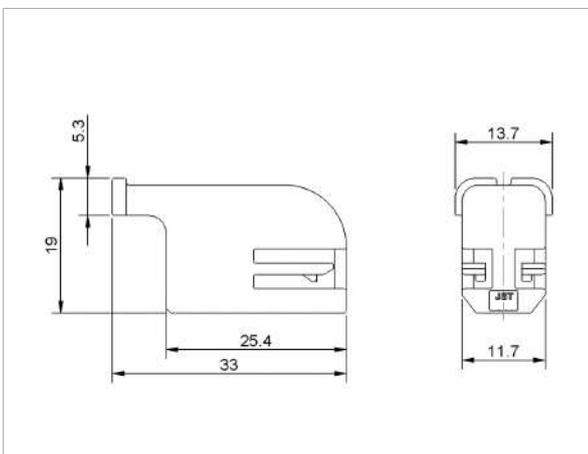
| Circuits | Model No. | Q'ty/case |
|----------|-------------------------------|-----------|
| 8 | ATSSPB-()08()(-1)() | 750 |

Material and Finish

- Housing: Glass-filled PBT
- TPA: Glass-filled PBT, Natural
- CPA: Glass-filled PBT, Red (Optional)
- Back cover: Glass-filled PBT
- Ring seal: Silicone, Green
- Matte seal: Silicone, Green

Note: Circuits from 2 to 8 available with flashed over back option other than abovementioned housing. Contact JST for details.

Cable cover



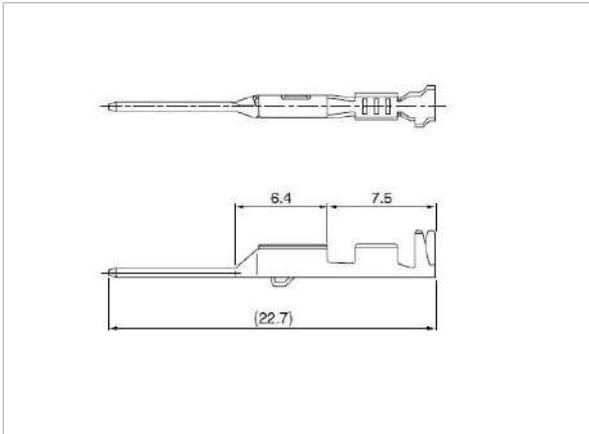
| Circuits | Model No. | Q'ty/box |
|----------|--------------------|----------|
| 8 | ATSSCC-08-K | 3,000 |

Material and Finish

Glass-filled PBT, Black

ATSS CONNECTOR

Male terminal



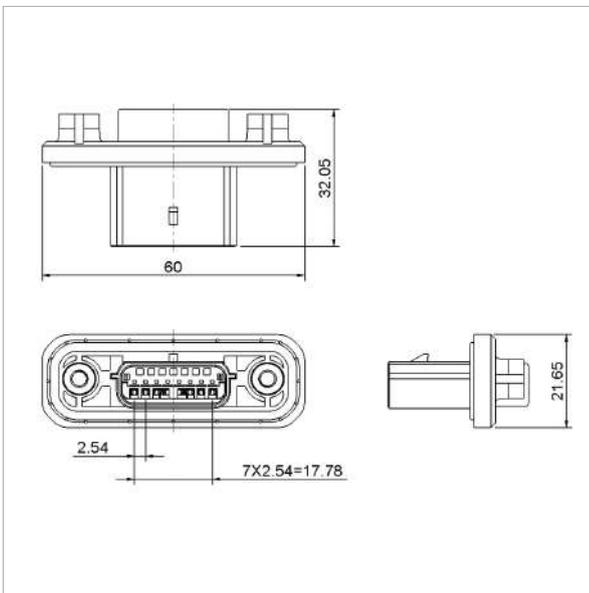
| Model No. | Applicable wire range | | Q'ty/reel |
|------------------|------------------------------|----------------------|-----------|
| | Conductor (mm ²) | Insulation O.D. (mm) | |
| ①SAITW-A03T-064 | 0.3 to 0.5 | ≤1.9 | 9,000 |
| ①SAITW-A02T-064 | 0.75 to 0.8 | ≤1.9 | 9,000 |
| ②SAITW-A03GF-064 | 0.3 to 0.5 | ≤1.9 | 9,000 |
| ②SAITW-A02GF-064 | 0.75 to 0.8 | ≤1.9 | 9,000 |

Material and Finish

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

Note: Contact JST for details regarding the use of Tin-plated male terminals and SAITW-A02GF-064 Au-plated terminals.

Male connector



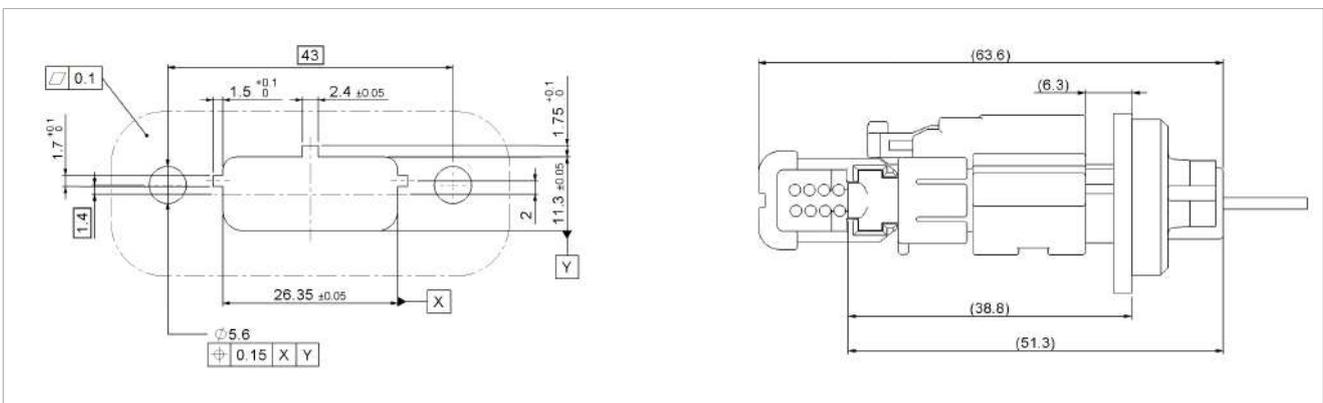
| Circuits | Model No. | Q'ty/box |
|----------|-------------------------|----------|
| 8 | ATSSWB-08-1A-1AK | 200 |

Material and Finish

- Housing: Glass-filled PBT, Black
- TPA: Glass-filled PBT, Natural
- Seal: Silicone, Brown
- Bush: Brass

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

Panel layout, Assembly layout



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