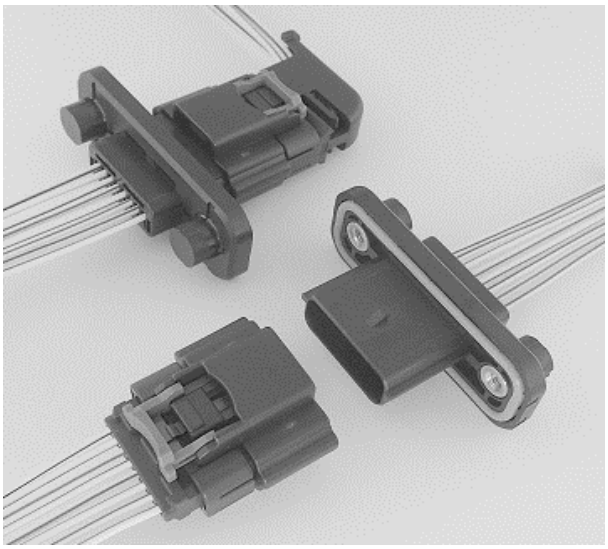
ATS CONNECTOR

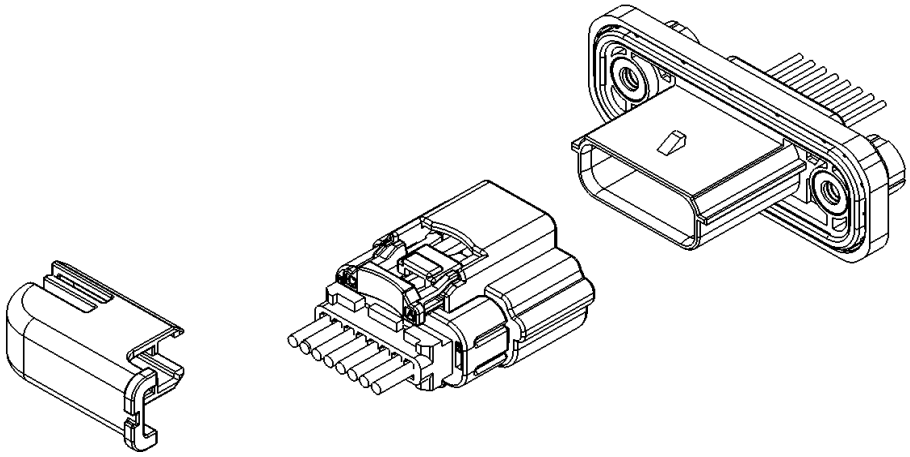
Sealed connectors/Wire-to-wire



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**

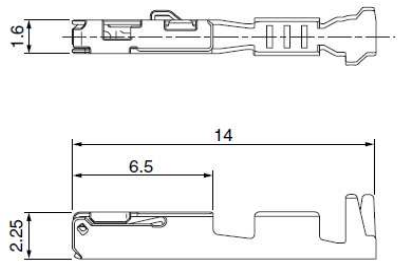


■ Specifications

- Current rating : 3 A AC, DC (0.3 mm^2)
  5 A AC, DC (0.5 mm^2)
  7 A AC, DC (0.8 mm^2)
- Withstanding voltage : 1,000 VAC /minute
- Temperature range : -40℃ to +105℃ (Male and Female Connector)
  -40℃ to +125℃ (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 mm^2 to 0.8 mm^2

*Compliant with ELV/RoHS2.
*Contact JST for details.

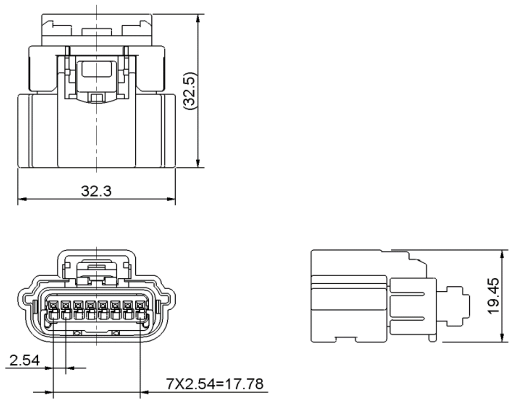
Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm²)	Insulation O.D. (mm)	
①**SAIT-A03T-M064**	0.3 to 0.5	≤1.9	6,500
①**SAIT-A02T-M064**	0.75 to 0.8	≤1.9	6,500
②**SAIT-A03GF-M064**	0.3 to 0.5	≤1.9	6,500
②**SAIT-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

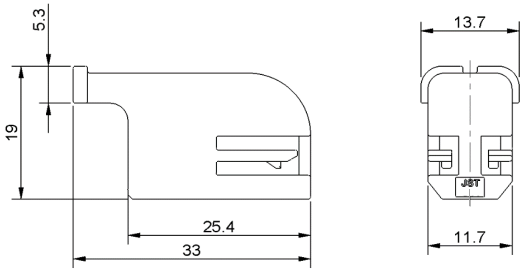


Circuits	Model No.	Q'ty/case
8	**ATSSPB-( )08( )( )-1( )( )**	750

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.

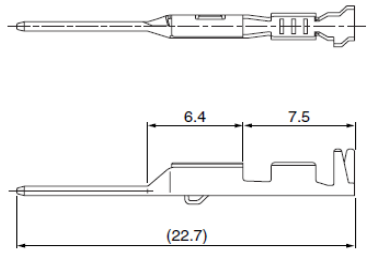
Cable cover



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

Material and Finish
Glass-filled PBT, Black

Male terminal

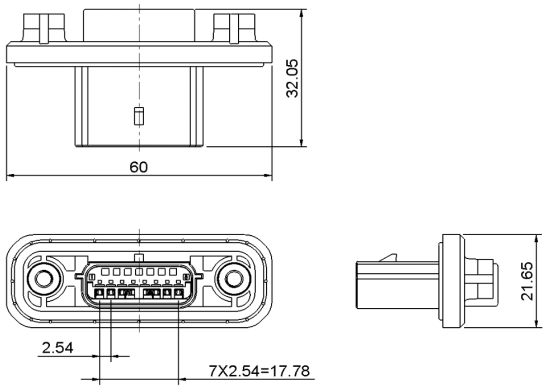


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm²)	Insulation O.D. (mm)	
①**SAITW-A03T-064**	0.3 to 0.5	≤1.9	9,000
①**SAITW-A02T-064**	0.75 to 0.8	≤1.9	9,000
②**SAITW-A03GF-064**	0.3 to 0.5	≤1.9	9,000
②**SAITW-B03GF-064**	0.3 to 0.5	≤1.9	9,000

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.

Male connector

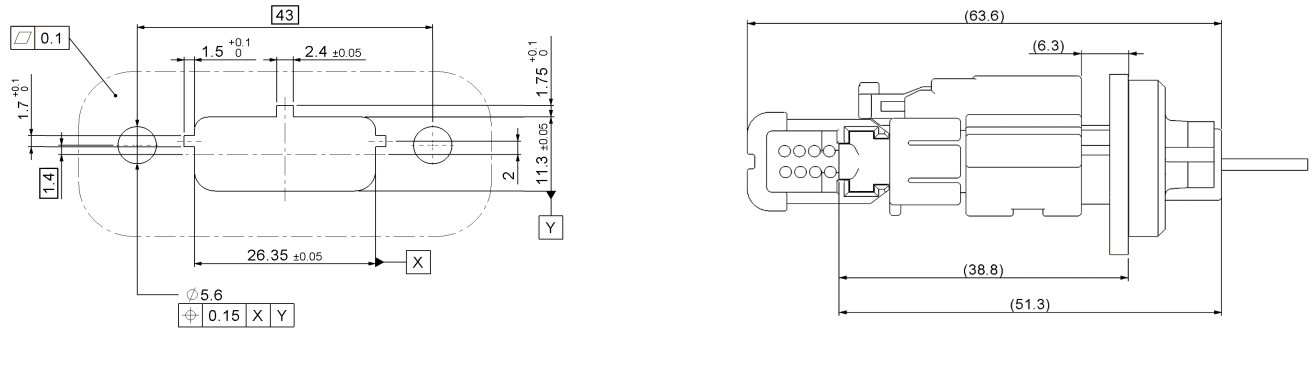


Circuits	Model No.	Q'ty/box
8	**ATSSWB-08-1A-1AK**	200

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.