

# MWT CONNECTOR

## Wire-to-wire/Sealed connector

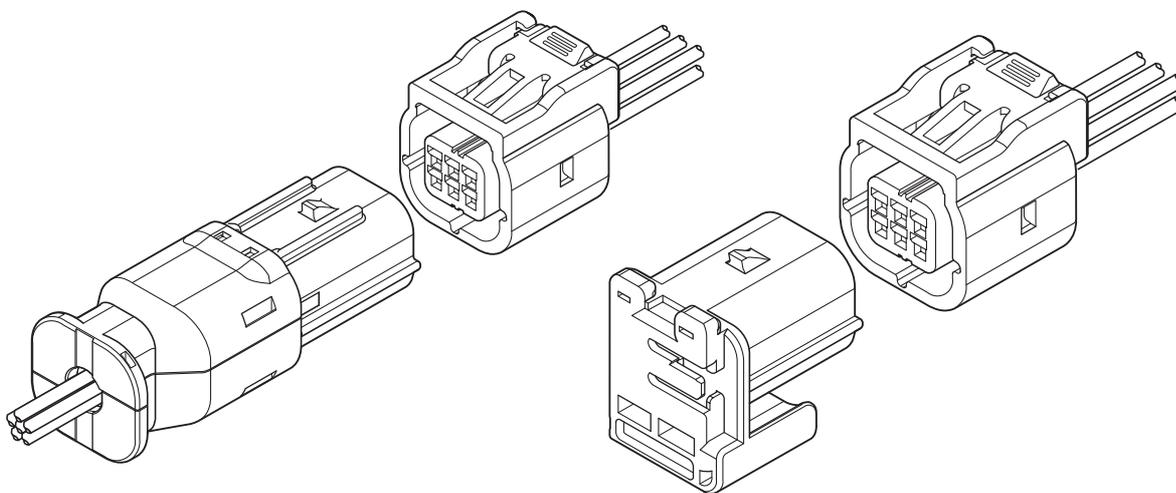


### Features

- **Compliant with the ISO19689**  
Compliant with the ISO19689 which is the Motorcycle OBD standard connector.
- **Individual Sealed Connector**  
Individual sealed connector with 0.64 mm terminal, 3.0 mm X 3.0 mm pitch.
- **Pre-set Retainer**  
Simple assemble harnesses, due to there is no necessity to add retainer afterwards.
- **Selectable to the installation direction to the body**  
The protection cover is designed to set the connector in a vertical or horizontal direction on a bracket of the body with using a clip structure.

Compliant with the ISO 19689, 0.64 mm individual waterproof, 6 pole wire to wire connection connector. The retainer is a pre-set type for both female and male housing.

Protection cover to female connector from water and dust is selectable to the installation direction.

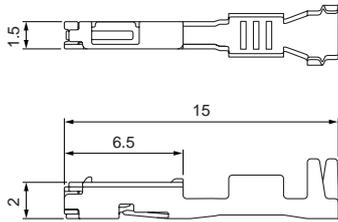


### Specifications

- Current rating: 3.5 A DC (\*1), 7.5 A DC (\*2)
  - Temperature range: -40°C to +105°C  
(including temperature rise in applying electrical current)
  - Insulation resistance: 100 M  $\Omega$  min.
  - Withstanding voltage: 1,000 VAC/minute
  - Applicable wire: AVSS  
0.3 mm<sup>2</sup>, 0.5 mm<sup>2</sup>
- \*1. Temperature 20  $\pm$  5°C (full circuits)  
\*2. Temperature 20  $\pm$  5°C (single circuit)

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

## Female terminal

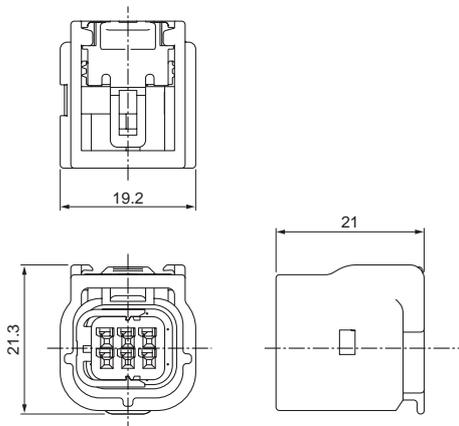


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>SMWTS-A021T-C064</b>	0.3 to 0.5	1.4 to 1.7	5,000

### Material and Finish

Copper alloy, tin-plated (reflow treatment)

## Female connector

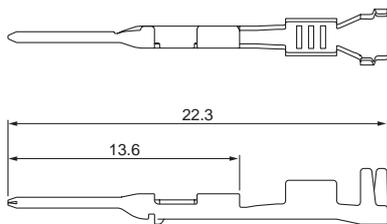


Circuits	Model No.	Q'ty/box
6	<b>MWTRB-06-1A-R</b>	750

### Material and Finish

Housing : Glass-filled PBT, Red  
Retainer: Glass-filled PBT, Black  
Inner seal: Silicone, Brown

## Male terminal

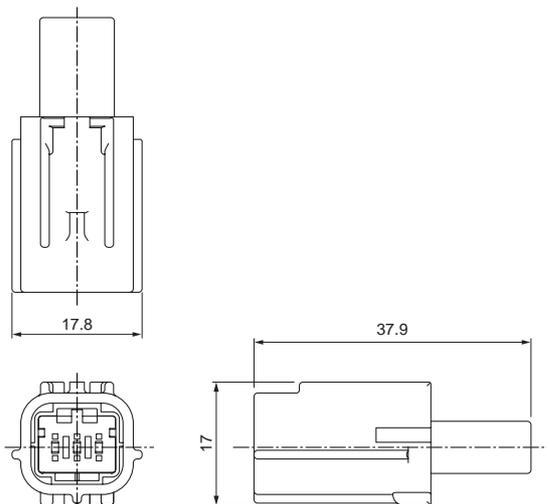


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>SMWTWS-A021T-064</b>	0.3 to 0.5	1.4 to 1.7	5,500

### Material and Finish

Brass, tin-plated (reflow treatment)

## Male connector



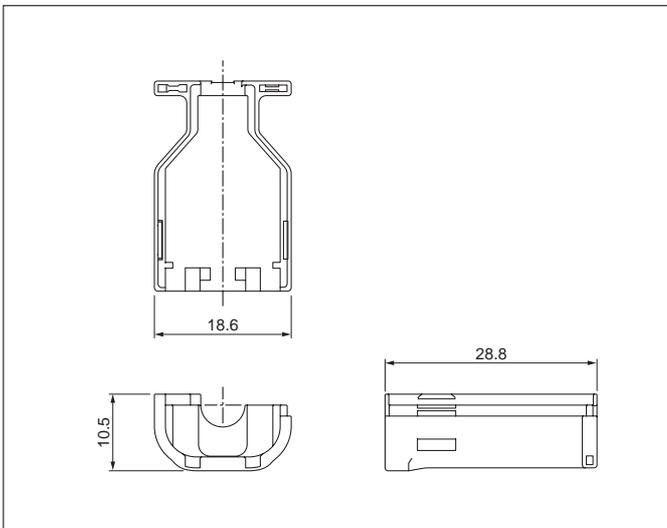
Circuits	Model No.	Q'ty/box
6	<b>MWTPB-06-1A-R</b>	750

### Material and Finish

Housing: Glass-filled PBT, Red  
Retainer: PBT, Black

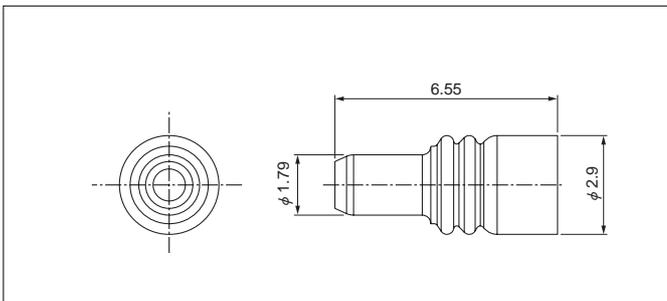
# MWT CONNECTOR

## Harness cover



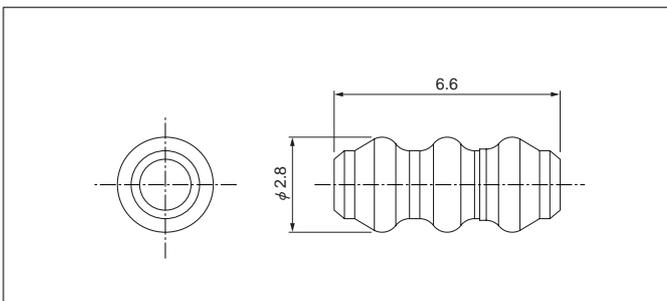
Circuits	Model No.	Q'ty/box
6	<b>MWTWC-06-1A-R</b>	1,800
Material and Finish		
PBT, Red		

## Wire seal



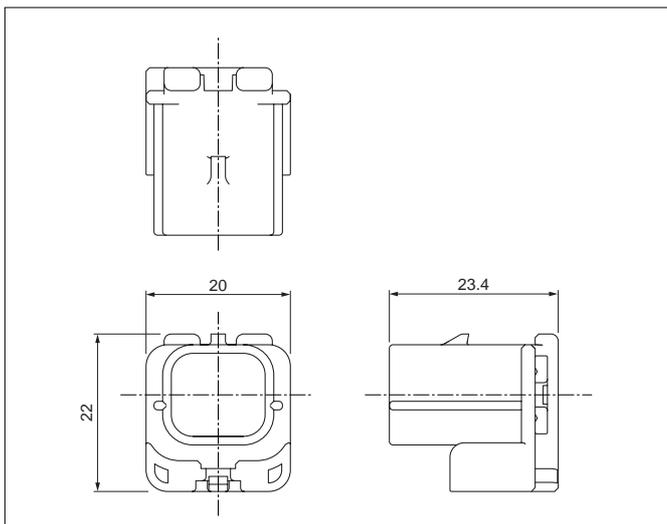
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>A03WS-MWT-N</b>	0.3 to 0.5	1.4 to 1.7	10,000
Material and Finish			
Silicone, Brown			

## Dummy plug



Model No.	Q'ty/box
<b>MWTDPS-1A-DN</b>	10,000
Material and Finish	
Silicone, Dark brown	

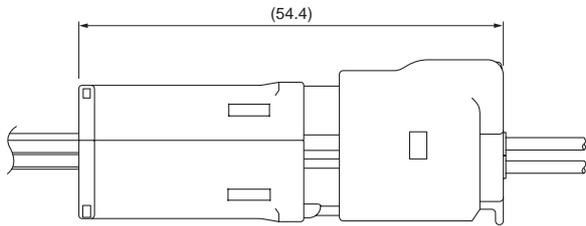
## Protection cover



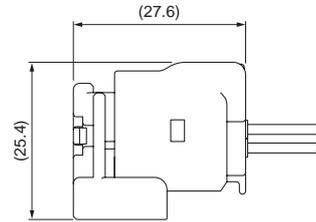
Circuits	Model No.	Q'ty/box
6	<b>MWTPC-06-1A-R</b>	750
Material and Finish		
PBT, Red		

## Assembly layout

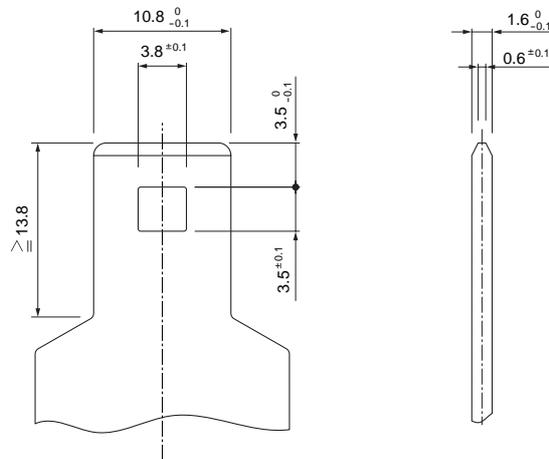
### • Male connector assembly



### • Protection cover assembly



## Bracket layout



Recommended bracket layout

## Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMWTS-A021T-C064	AP-K2N	MK/SMWTS-A021-064	APLMK SMWTS-A021-064
SMWTWS-A021T-064		MK/SMWTWS-A021-064	APLMK SMWTWS-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.

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