

# WMC CONNECTOR

Wire-to-wire



Developed in pursuit of miniaturization and waterproof as wire to wire type connector for automotive. To realize miniaturization and high reliability with the CPA design.

## ■ Features

### ● Miniaturization

0.50 terminal with 1.8mm pitch for 2&8 circuits connector and 2.0mm pitch for 4 circuits connector is realized miniaturization.

### ● Waterproof

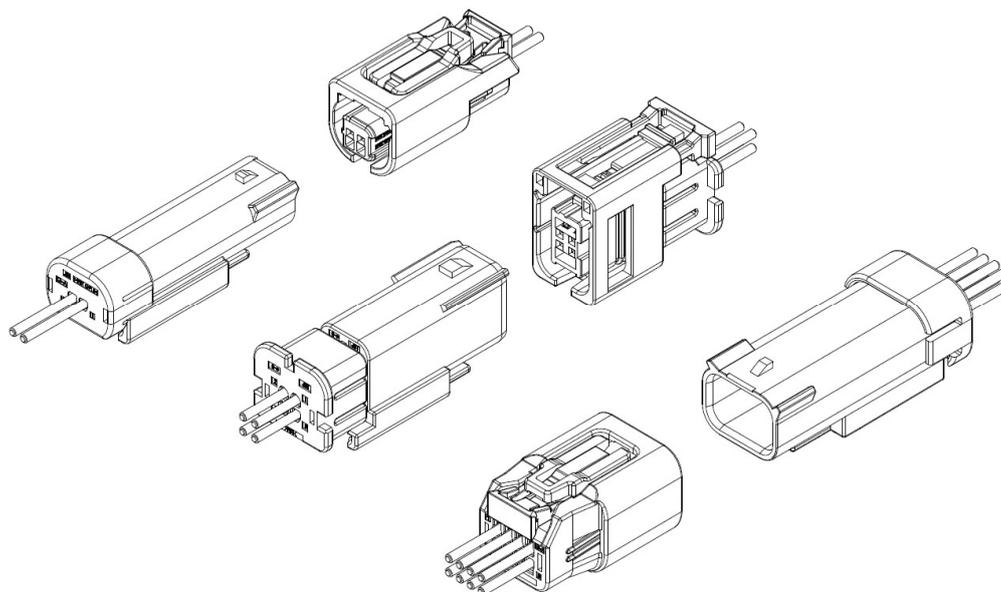
Mat seal is adopted for improving the workability of wire seal part.

### ● Connector Position Assurance (CPA) Design

### ● UL94 V-0 material

In response to increasingly stringent requirements for flammability.

Use resin that supports UL94 V-0.



## ■ Specifications

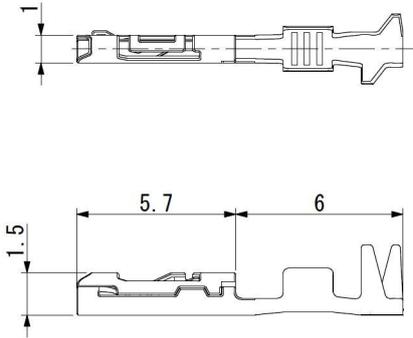
- Current rating : 3A AC, DC max
- Withstanding voltage : 1,000 V AC / minute
- Temperature range : -40°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance : Initial value / 15 mΩ max.  
After environmental tests / 15 mΩ max.
- Insulation resistance : 100 MΩ min.
- Applicable wire : 2, 8 circuits:  
0.22mm<sup>2</sup> to 0.35mm<sup>2</sup>, O.D. Ø1.0 to 1.2mm  
(Recommend FLRY-A 0.22mm<sup>2</sup>, CIVUS 0.35mm<sup>2</sup>)  
  
4 circuits:  
0.22mm<sup>2</sup> to 0.35mm<sup>2</sup>, O.D. Ø1.0 to 1.3mm  
(Recommend FLRY-A 0.22mm<sup>2</sup> to 0.35mm<sup>2</sup>, CIVUS 0.35mm<sup>2</sup>)

\*Compliant with ELV/RoHS.

\*Contact JST for details.

Female terminal

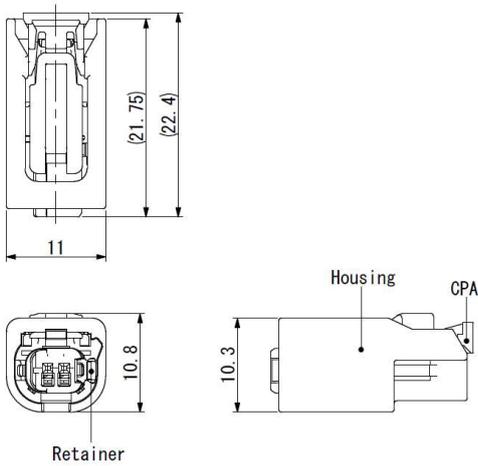
● Female terminal M



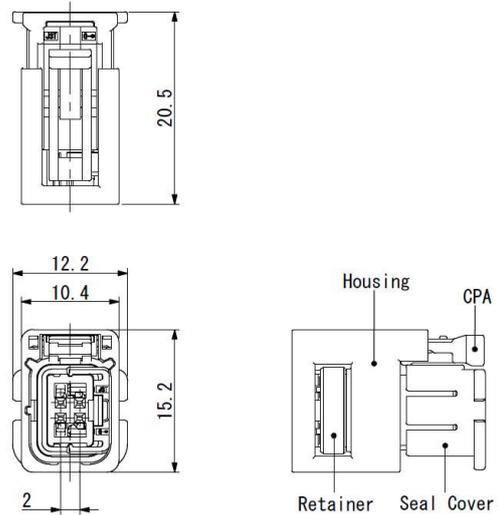
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>SWMC-A011T-0.5</b>	0.22 to 0.35	1.0 to 1.2	10,000
Material and Finish			
Copper alloy, tin-plated			

Female connector

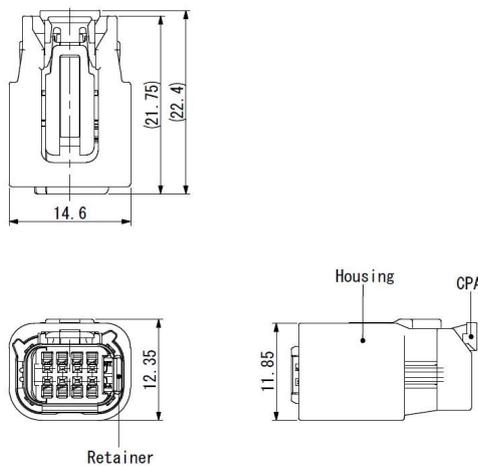
● 2 circuits



● 4 circuits



● 8 circuits



Circuits	Model No.	Housing Color	Q'ty/box
2	<b>02WMC-RSBC-VM-1A-NA-A</b>	Natural	250
	<b>02WMC-RSBC-VM-1A-K-B</b>	Black	250
4	<b>04WMCB-RSBC-VM-2A-K-A</b>	Black	200
8	<b>08WMC-RSDBC-VM-1A-NA-A</b>	Natural	180
	<b>08WMC-RSDBC-VM-1A-K-B</b>	Black	180

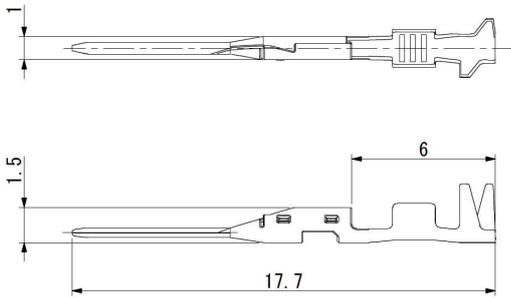
Material

Housing: Glass-filled PBT, Natural / Black (UL94 V-0)  
 Retainer: Glass-filled PBT, Natural (UL94 V-0)  
 CPA: Glass-filled PBT, Green (UL94 V-0)  
 Seal Cover: Glass-filled PBT, Gray (UL94 V-0)

Note: Contact JST for details.

## Male terminal

### ● Male terminal M



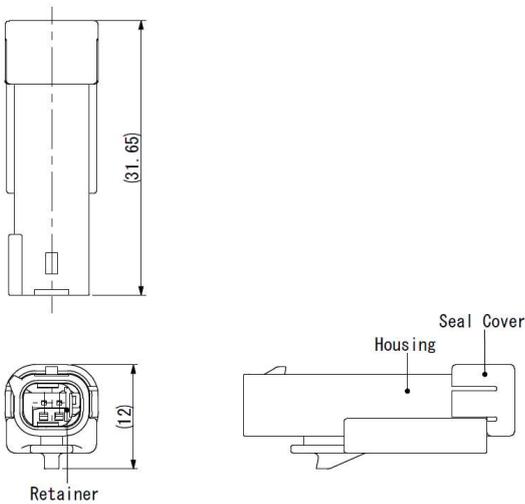
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>SWMCW-A011T-0.5</b>	0.22 to 0.35	1.0 to 1.2	10,000

### Material and Finish

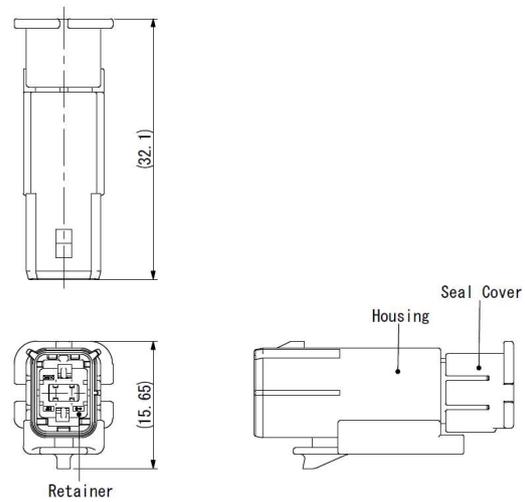
Copper alloy, tin-plated

## Male connector

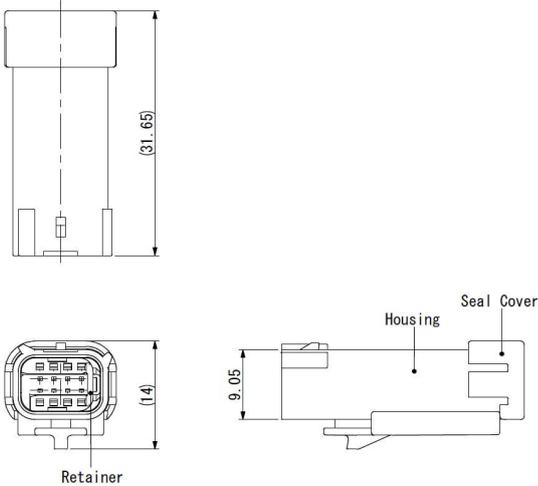
### ● 2 circuits



### ● 4 circuits



### ● 8 circuits



Circuits	Model No.	Housing Color	Q'ty/box
2	<b>02WMC-PSB-VM-1A-NA-A</b>	Natural	200
	<b>02WMC-PSB-VM-1A-K-B</b>	Black	200
4	<b>04WMC-PSDB-VM-1A-K-A</b>	Black	180
8	<b>08WMC-PSDB-VM-1A-NA-A</b>	Natural	120
	<b>08WMC-PSDB-VM-1A-K-B</b>	Black	120

### Material

Housing: Glass-filled PBT Natural / Black (UL94 V-0)

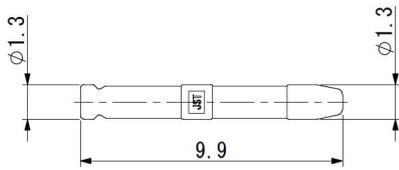
Retainer: Glass-filled PBT, Gray (UL94 V-0)

Seal Cover: Glass-filled PBT, Gray / Black (UL94 V-0)

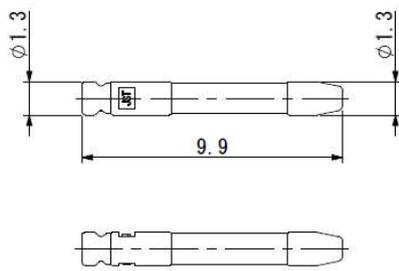
Note: Contact JST for details.

**Dummy plug**

● 2, 8 circuits



● 4 circuits



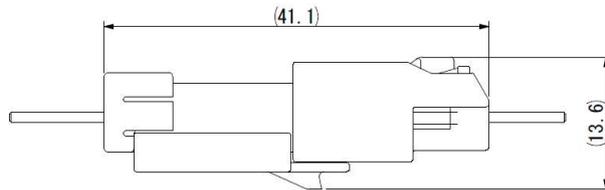
Circuits	Model No.	Q'ty/box
2	<b>WMCDP-V-1A-H</b>	7,000
4	<b>WMCBDP-V-1A-H</b>	7,000
8	<b>WMCDP-V-1A-H</b>	7,000

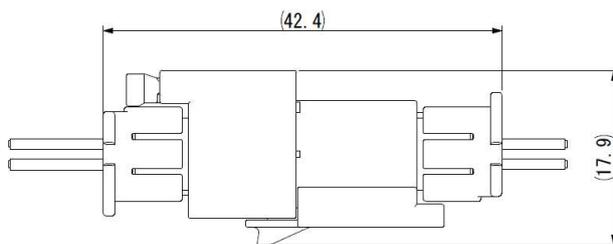
Material
Glass-filled PBT, Gray

**Assembly layout**

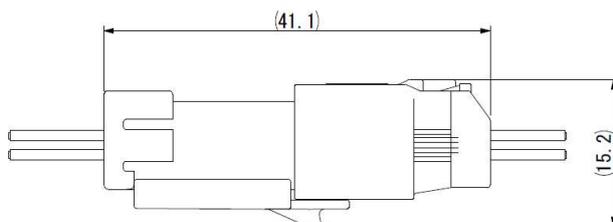
● 2 circuits



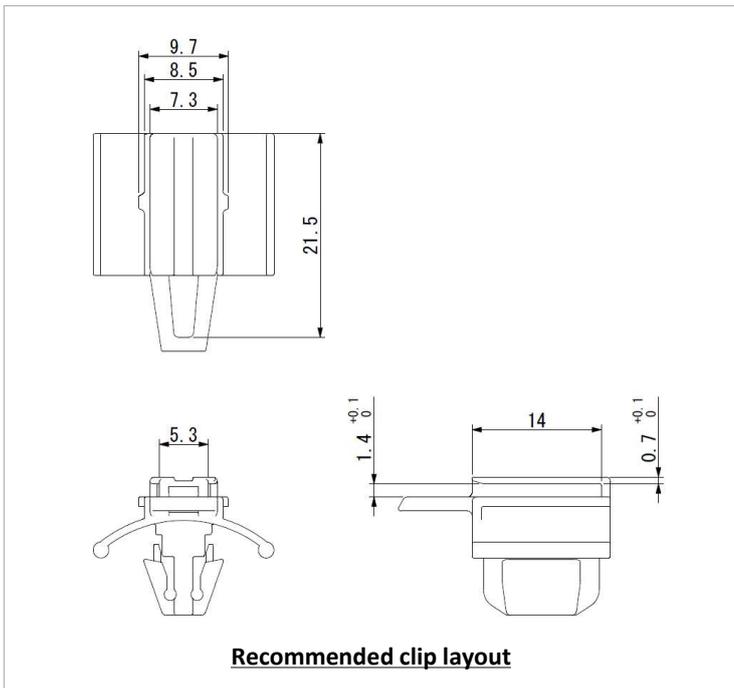
● 4 circuits



● 8 circuits



## Clip Layout



Note: 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
<b>SWMC-A011T-0.5</b>	AP-K2N	MK/SWMC-A011-05	APLMK SWMC-A011-05
<b>SWMCW-A011T-0.5</b>	AP-K2N	MK/SWMCW-A011-05	APLMK SWMCW-A011-05

Note: 1. Contact JST for details.

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