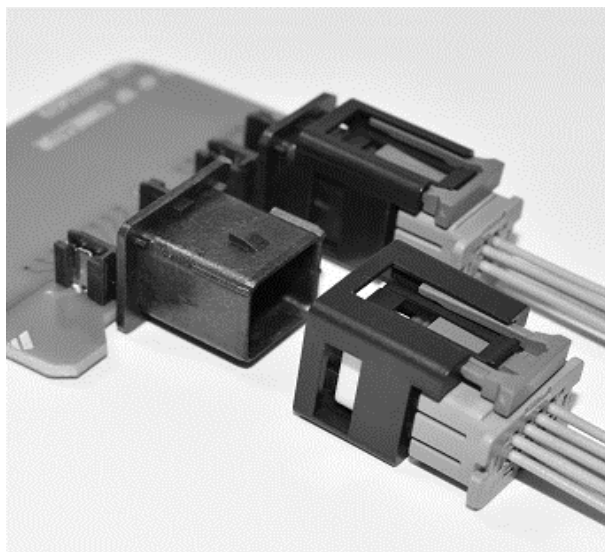
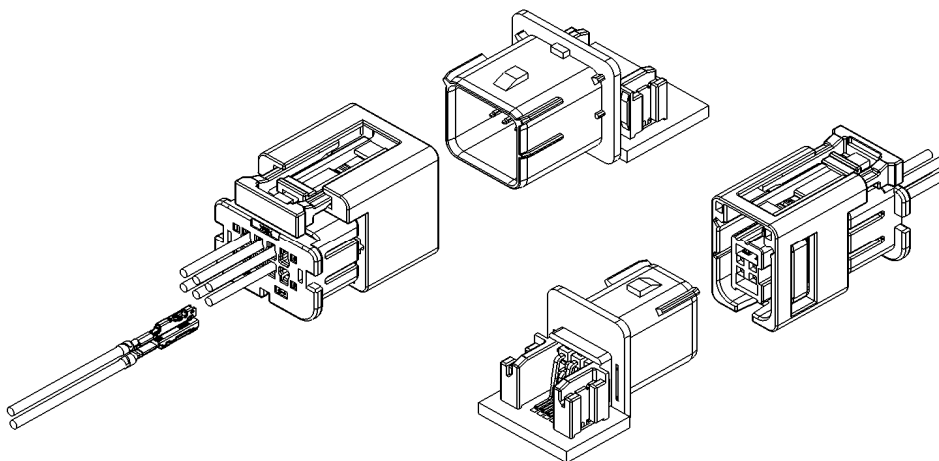


# WMCB CONNECTOR

Board-to-wire/Sealed Connectors



Developed in pursuit of miniaturization and water-proof as surface mounting type connector for automotive. To realize miniaturization and high reliability with the 0.50 terminal and CPA design.



## ■ Features

- **Miniaturization·Waterproof connector**  
0.50 terminal with 2.0mm pitch realized miniaturization and waterproof.
- **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

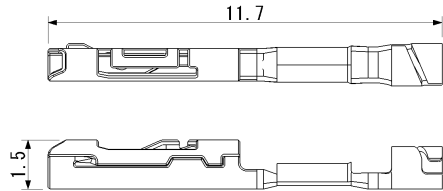
- Current rating : 3A AC, DC max
- Withstanding voltage : 1,000 VAC / minute
- Temperature range : -40°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance : Initial value / 15 mΩ max.  
After environmental tests / 15 mΩ max.
- Insulation resistance : 100 MΩ min.
- Applicable wire : 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>, CIVUS0.35mm<sup>2</sup>)

\*Compliant with ELV/RoHS.

\*Contact JST for details.

## Female terminal

### ● Female terminal M



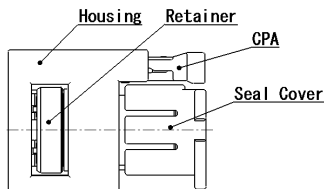
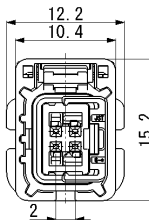
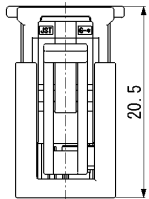
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
<b>SWMC-A011T-0.5</b>	0.22 to 0.35	1.0 to 1.3	10,000

### Material and Finish

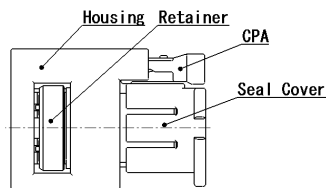
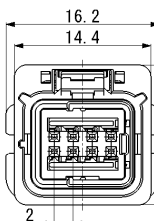
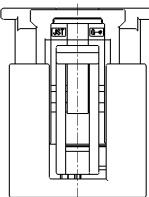
Copper alloy, nickel-undercoated, tin-plated

## Female connector

### ● 4 circuits



### ● 8 circuits



Circuits	Model No.	Housing Color	Q'ty/box
4	<b>04WMCB-RSBC-VM-2A-K-A</b>	Black	2,400
8	<b>08WMCB-RSBC-VM-2A-K-A</b>	Black	2,040

### Material and Finish

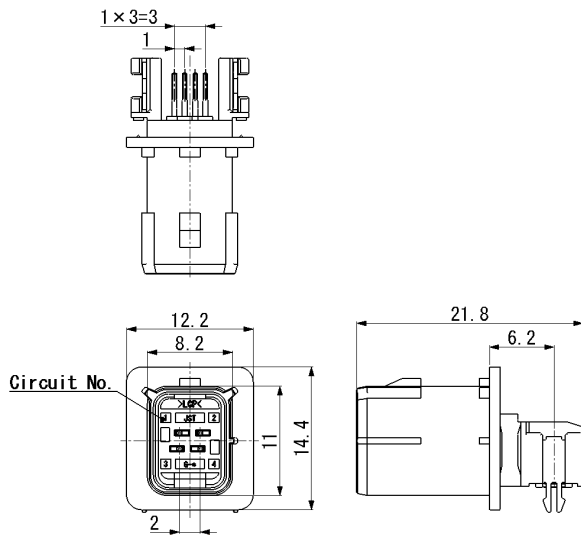
Housing: Glass-filled PBT, Black (UL94 V-0)  
 Retainer: Glass-filled PBT, White (UL94 V-0)  
 CPA: Glass-filled PBT, Green (UL94 V-0)  
 Seal Cover: Glass-filled PBT, Gray (UL94 V-0)  
 Inner seal: Silicone  
 Wire seal: Silicone

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

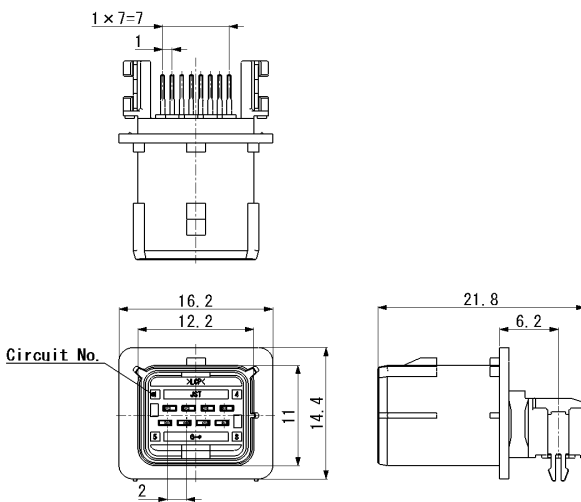
# WMCB CONNECTOR

## Male connector

### ● 4 circuits



### ● 8 circuits



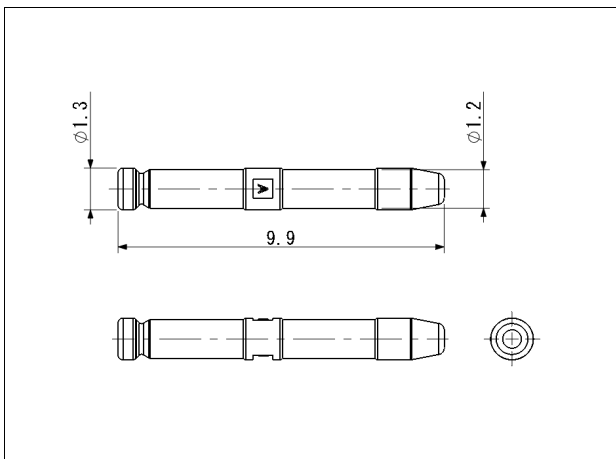
Circuits	Model No.	Housing Color	Q'ty/box
4	<b>SM04B-WMCBK-2A-A</b>	Black	840
8	<b>SM08B-WMCBK-2A-A</b>	Black	680

### Material and Finish

Housing: Glass-filled LCP, Black (UL94 V-0)  
 Pin: Copper alloy, nickel-undercoated, tin-plated  
 Tab: Copper alloy, nickel-undercoated, tin-plated

Note: Key codes other than above mentioned housing are also available.  
 Contact JST for details.

## Female dummy plug



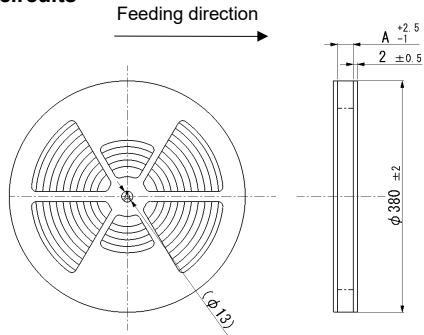
Model No.	Q'ty/box
<b>WMCBDP-V-1A-H</b>	7,000

### Material and Finish

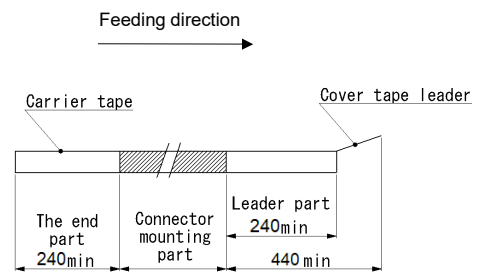
Glass-filled PBT, Gray (UL94 V-0)

**Taping specifications**

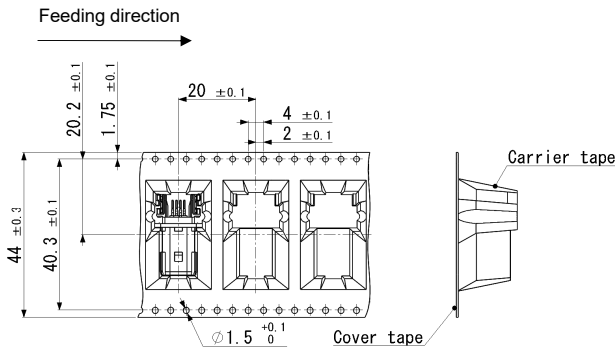
● **4,8 circuits**



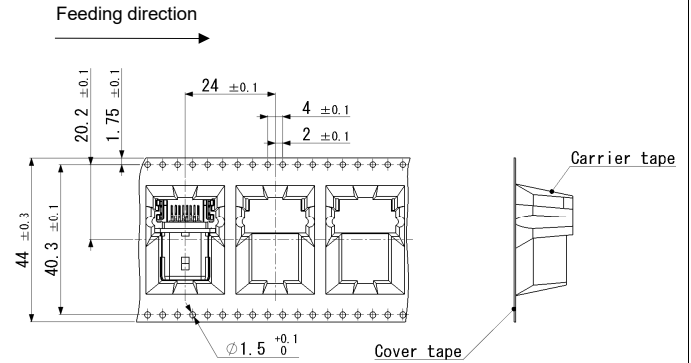
Circuits	A
4	44
8	44



● **4 circuits**



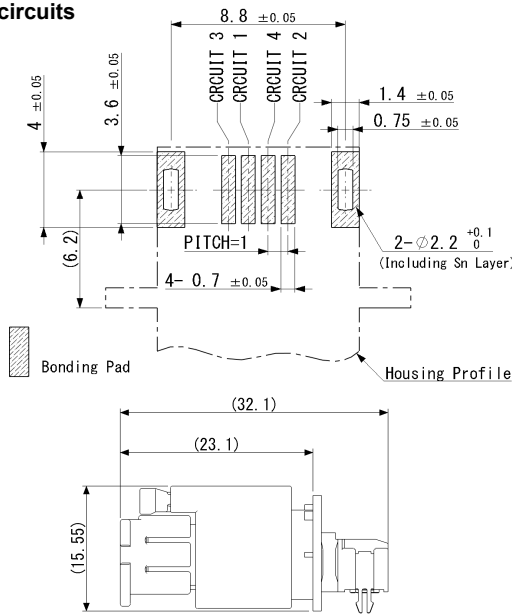
● **8 circuits**



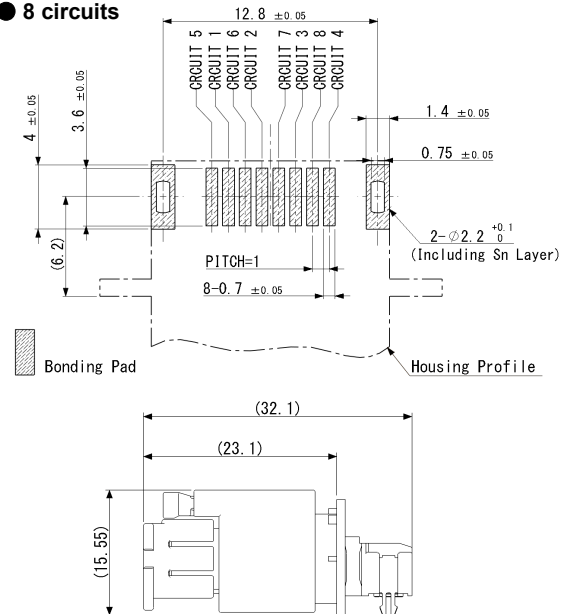
**PC board layout, Assembly layout**

**SMT type Single row**

● **4 circuits**



● **8 circuits**



- Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.  
 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
SWMC-A011T-0.5	AP-K2N	MK/SWMC-A011-05	APLMK SWMC-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.