

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

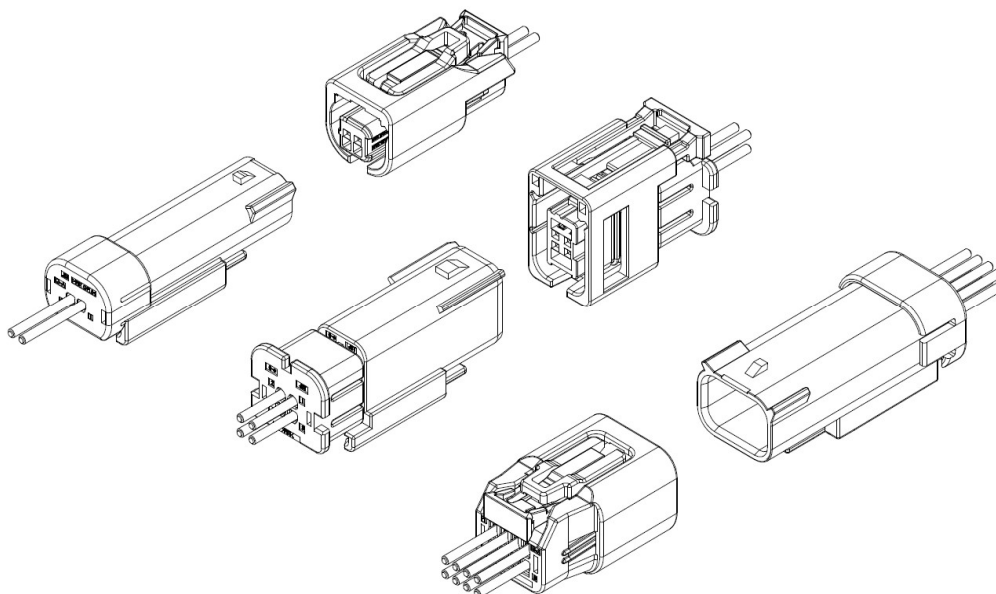
Mat seal is adopted for improving the workability of wire seal part.

● 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:
0.22mm² to 0.35mm², O.D. Ø1.0 to 1.2mm
(Recommend FLRY-A 0.22mm², CIVUS 0.35mm²)

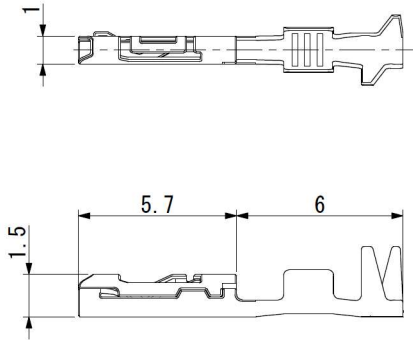
4 circuits:
0.22mm² to 0.35mm², O.D. Ø1.0 to 1.3mm
(Recommend FLRY-A 0.22mm² to 0.35mm², CIVUS 0.35mm²)

*Compliant with ELV/RoHS.

*Contact JST for details.

Female terminal

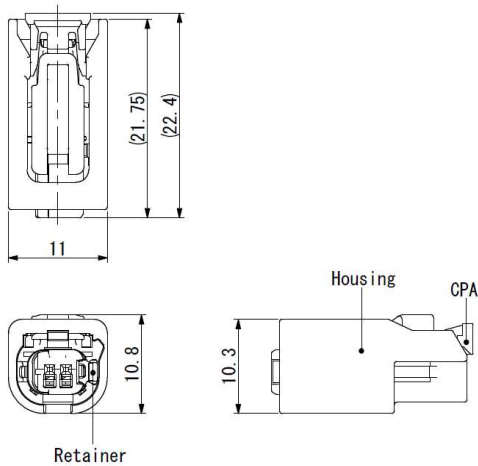
● Female terminal M



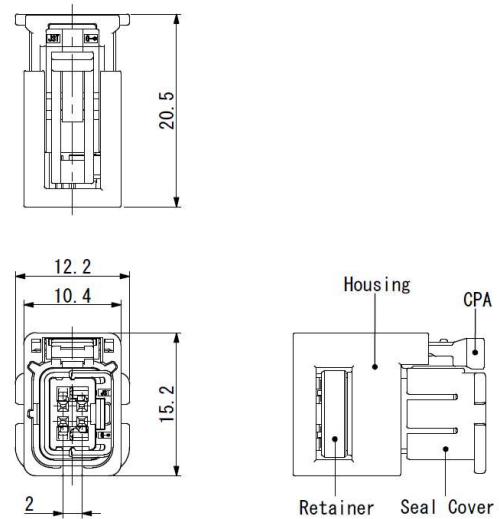
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SWMC-A011T-0.5	0.22 to 0.35	1.0 to 1.2	10,000
Material and Finish			
Copper alloy, tin-plated			

Female connector

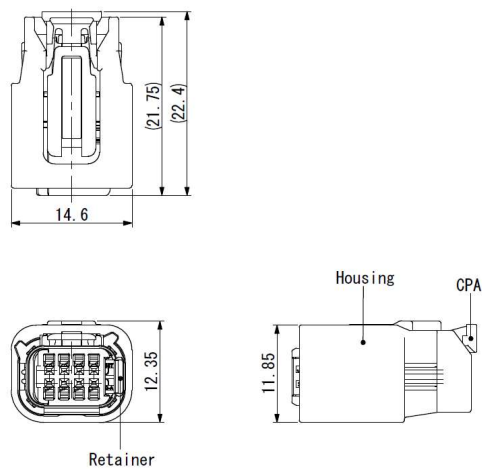
● 2 circuits



● 4 circuits



● 8 circuits



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

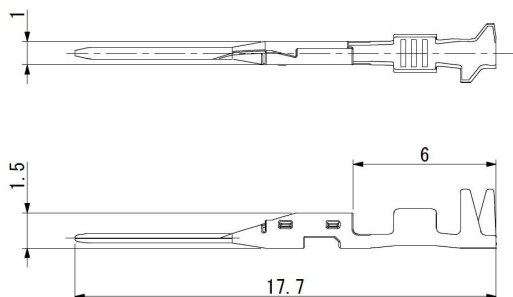
Material

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

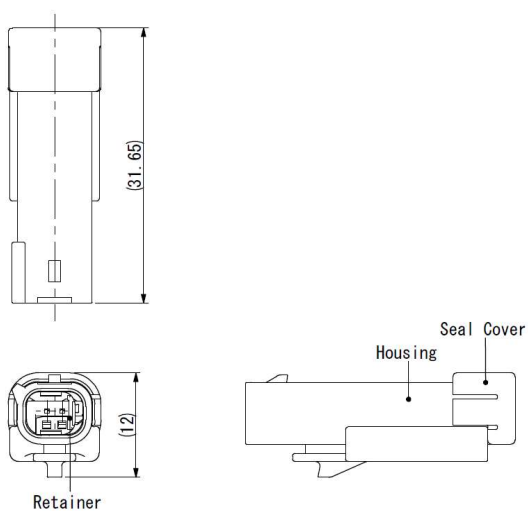
● Male terminal M



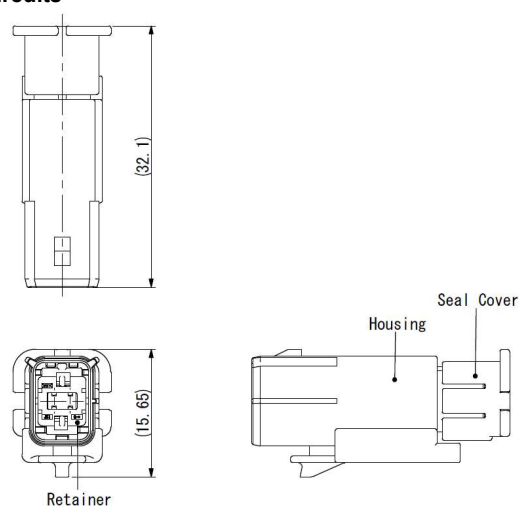
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SWMCW-A011T-0.5	0.22 to 0.35	1.0 to 1.2	10,000
Material and Finish			
Copper alloy, tin-plated			

Male connector

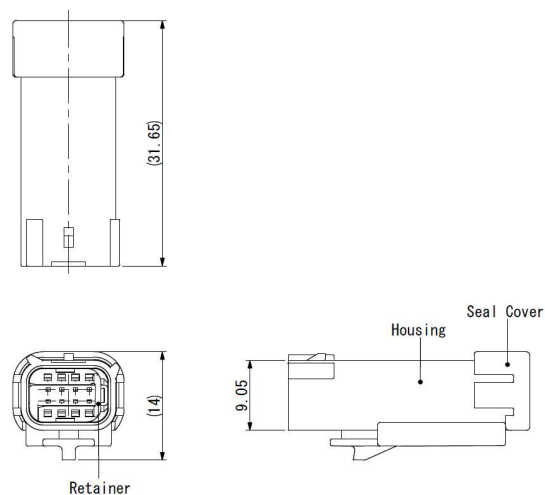
● 2 circuits



● 4 circuits



● 8 circuits



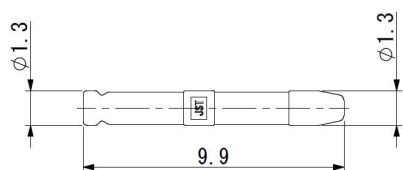
Circuits	Model No.	Housing Color	Q'ty/box
2	02WMC-PSB-VM-1A-NA-A	Natural	200
	02WMC-PSB-VM-1A-K-B	Black	200
4	04WMC-PSDB-VM-1A-K-A	Black	180
8	08WMC-PSDB-VM-1A-NA-A	Natural	120
	08WMC-PSDB-VM-1A-K-B	Black	120
Material			

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)

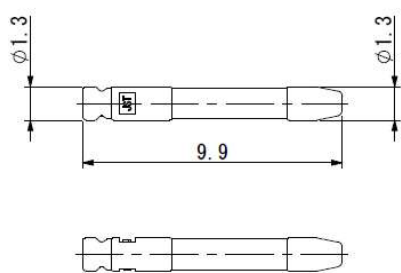
Note: Contact JST for details.

Dummy plug

● 2, 8 circuits



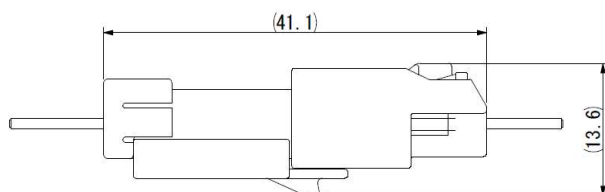
● 4 circuits



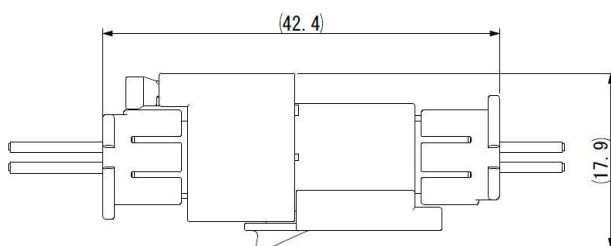
Circuits	Model No.	Q'ty/box
2	WMCDP-V-1A-H	7,000
4	WMCBDP-V-1A-H	7,000
8	WMCDP-V-1A-H	7,000
Material		
Glass-filled PBT, Gray		

Assembly layout

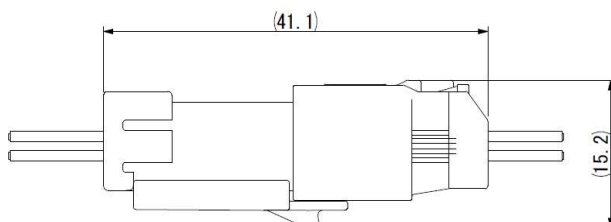
● 2 circuits



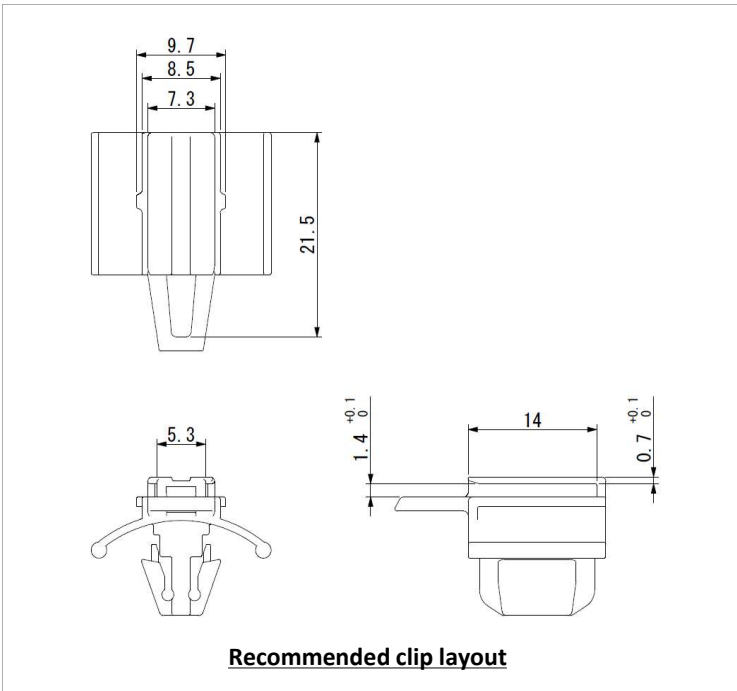
● 4 circuits



● 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
SWMC-A011T-0.5	AP-K2N	MK/SWMC-A011-05	APLMK SWMC-A011-05
SWMCW-A011T-0.5	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.