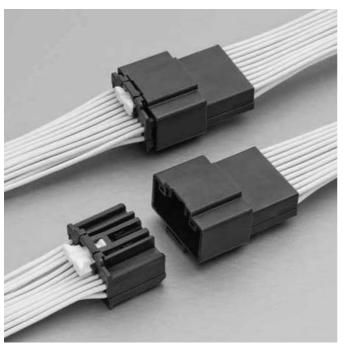
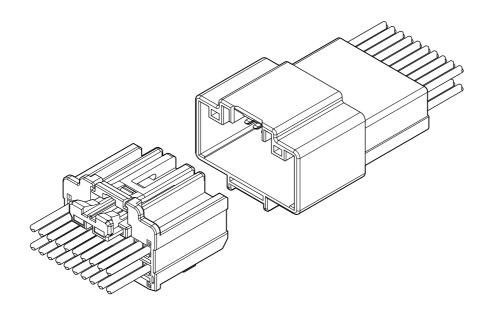
# VISA CONNECTOR Wire-to-wire



1.2 mm unsealed wire-to-wire connector system for automotive applications.

#### **Features**

- ●20 circuits, Wire-to-Wire Connection
- ●Connector Position Assurance (CPA) Design
- **●**Unsealed Inline Connector
- ●1.2 mm Terminal Compliant with USCAR Standards



#### Specifications

- Current rating: 14 A AC, DC max (0.75 mm², Single circuit)
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +105°C

(including temperature rise in applying electrical current)

• Contact resistance: Initial value/ 8 m $\Omega$  max.

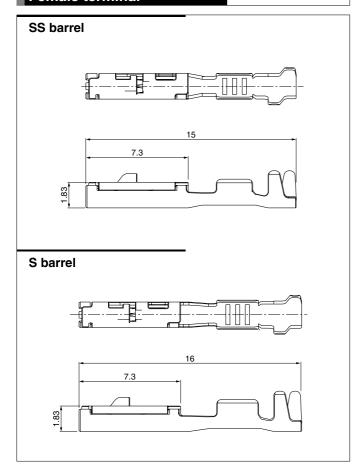
After environmental tests/ 8 m $\Omega$  max.

- Insulation resistance: 100 M $\Omega$  min.
- Withstanding voltage:1,000 VAC/minute
- Applicable wire: FLRY-A 0.35 to 0.75 mm<sup>2</sup> FLRY-B 0.75 mm<sup>2</sup>

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

## **MSA** CONNECTOR

#### Female terminal

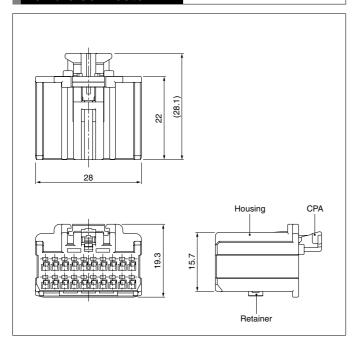


		Applicable		
Size	Model No.	Conductor (mm²)	Insulation O.D. (mm)	Q'ty/reel
SS	①SMSA-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	①SMSA-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
SS	②SMSA-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	②SMSA-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	8,500

#### Material and Finish

- Copper alloy, tin-plated (reflow treatment)
   Copper alloy, nickel-undercoated, Contact area: silver-plated
   Barrel area: tin-plated

#### Female connector



Circuits	Model No.	Q'ty/box	Housing Color
20	20MSA-RBC-1A-A-K	378	Black

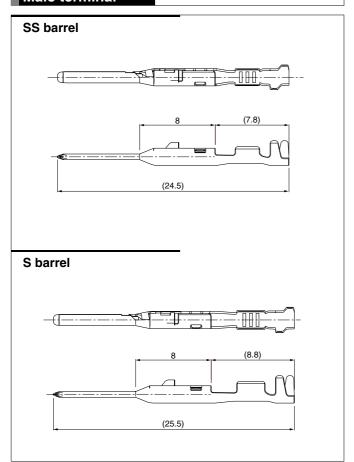
Material

Housing: PBT Retainer: Glass-filled PBT, Natural (White) CPA: Glass-filled PBT, Natural (White)

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

## MSA CONNECTOR

#### Male terminal

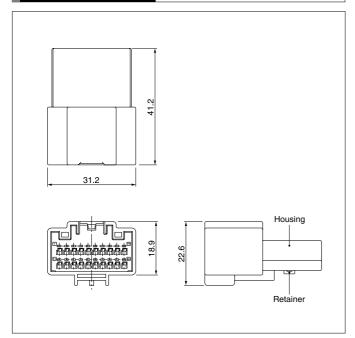


		Applicable wire range		
Size	Model No.	Conductor (mm²)	Insulation O.D. (mm)	Q'ty/reel
SS	1)SMSAW-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	①SMSAW-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	9,000
SS	②SMSAW-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	②SMSAW-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	9,000

#### Material and Finish

- ①Copper alloy, tin-plated (reflow treatment) ②Copper alloy, nickel-undercoated, Contact area: silver-plated Barrel area: tin-plated

#### Male connector



Cir	cuits	Model No.	Q'ty/box	Housing Color
	20 <b>20MSA</b> -	-PB-1A-A-K	216	Black

#### Material

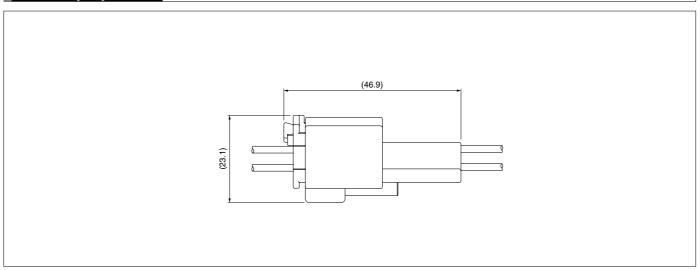
Housing: PBT

Retainer: Glass-filled PBT, Natural (White)

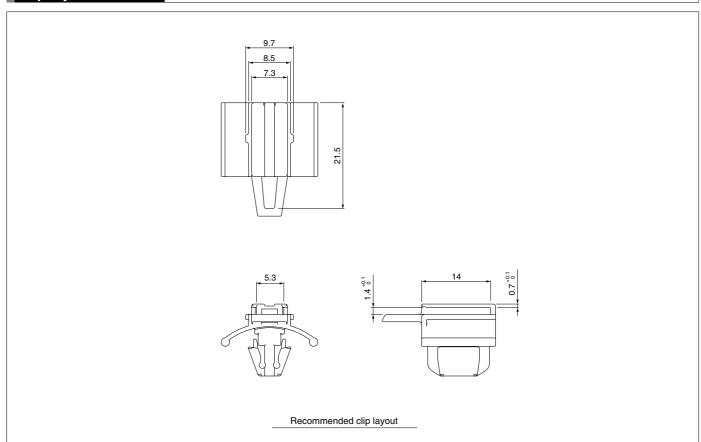
Note: Color/Key codes other than above-mentioned housing are also available. Contact JST for details.

## **MSA** CONNECTOR

#### Assembly layout



### Clip layout



#### Crimping machine, Applicator

Strip terminal	Crimping	Crimp applicator MKS-L		
Strip terminar	machine	Dies	Crimp applicator with dies	
SMSA-A011()-M1.2		MK/SMSA-A011-12	APLMK SMSA-A011-12	
SMSA-A031()-M1.2	AP-K2N	MK/SMSA-A031-12	APLMK SMSA-A031-12	
SMSAW-A011()-M1.2		MK/SMSAW-A011-12	APLMK SMSAW-A011-12	
SMSAW-A031()-M1.2		MK/SMSAW-A031-12	APLMK SMSAW-A031-12	

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.