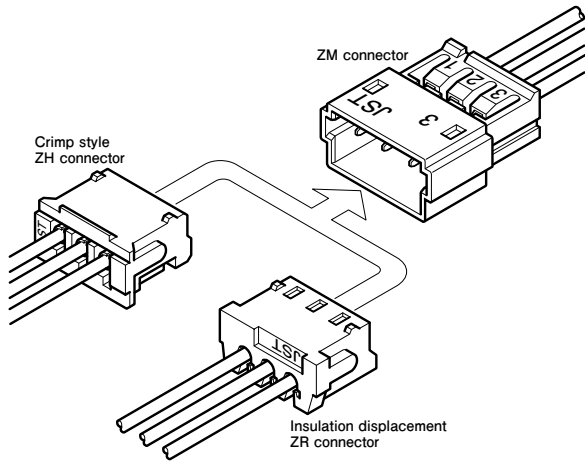




ZM CONNECTOR

1.5 mm pitch/Crimp style Wire-to-wire connectors Matable with ZH and ZR receptacles



1.5 mm pitch connectors allow higher densities.

- Compact design
- Housing-to-terminal locks
- Both crimp style and insulation displacement receptacles can be used
- Fully shrouded header resists "rocking" during mating

Specifications

- Current rating: 0.7 A AC/DC max. (AWG #28)
- Voltage rating: 50 V AC/DC max. (See Note below.)
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max. After environmental tests/ 30 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: AWG #30 to #28

Note: In this connector, a part of the contact is exposed at the housing lance side. When using the connector, mount it so that the exposed part does not touch the metal part of other parts.

* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).

* RoHS2 compliance

* Dimensional unit: mm

* Contact JST for details.

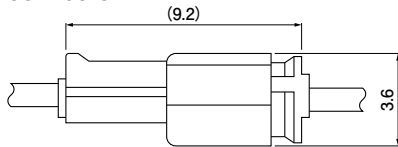
Standards

Ⓜ Recognized E60389

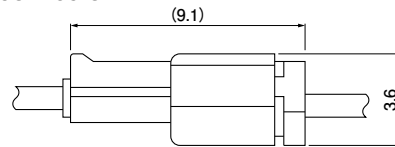
Ⓢ Certified LR20812

Assembly layout

ZM/ZH connector

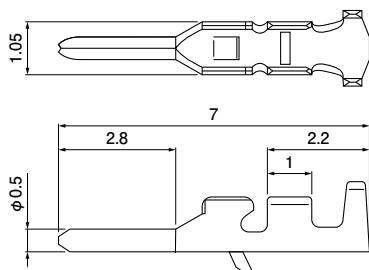


ZM/ZR connector

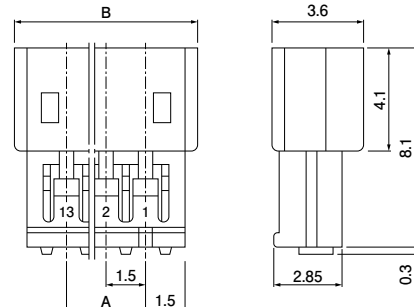


Plug / ZM connector

Contact



Housing



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/reel
	mm ²	AWG #		
SMM-003T-P0.5	0.05~0.08	30~28	0.7~0.9	16,000

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SMM-003T-P0.5	AP-K2N	MKS-L	MK/SMM-003-05	APLMK SMM003-05

Note: Contact JST for fully automatic crimping applicator.

No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	ZMR-02	1.5	5.5	2,000
3	ZMR-03	3.0	7.0	2,000
9	ZMR-09	12.0	16.0	1,000
13	ZMR-13	18.0	22.0	1,000

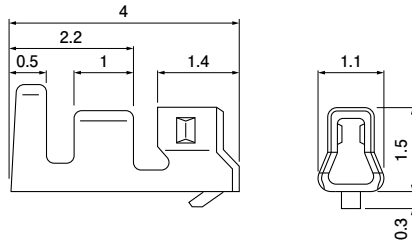
Material and Finish

Glass-filled PA 66, UL94V-0

RoHS2 compliance

Receptacle / ZH connector (Crimp style)

Contact



Model No.	Dimensions (mm)		Insulation (mm)	Q'ty/reel
	mm ²	AWG #		
SZH-003T-P0.5	0.032~0.08	32~28	0.5~0.9	16,000

Material and Finish

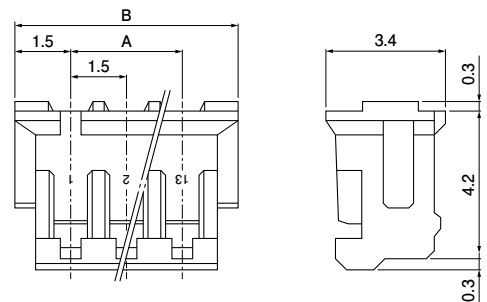
Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SZH-003T-P0.5	AP-K2N	MKS-L	MK/SZH-003-05	APLMK SZH003-05

Note: Contact JST for fully automatic crimping applicator.

Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	ZHR-2	1.5	4.5	1,000
3	ZHR-3	3.0	6.0	1,000
9	ZHR-9	12.0	15.0	1,000
13	ZHR-13	18.0	21.0	1,000

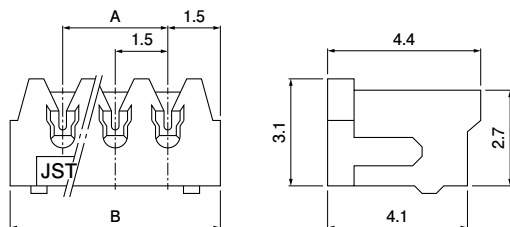
Material and Finish

PA 66, UL94V-0

RoHS2 compliance

Receptacle / ZR connector (IDC)

Receptacle



No. of circuits	Model No.		Dimensions (mm)		Q'ty/bag
	AWG #30	AWG #28	A	B	
2	02ZR-3H-P	02ZR-8M-P	1.5	4.5	2,000
3	03ZR-3H-P	03ZR-8M-P	3.0	6.0	2,000
9	09ZR-3H-P	09ZR-8M-P	12.0	15.0	2,000
13	13ZR-3H-P	13ZR-8M-P	18.0	21.0	2,000

Material and Finish

Contact: Phosphor bronze, tin-plated (reflow treatment)
Housing: Glass-filled PA 66, UL94V-0

RoHS2 compliance