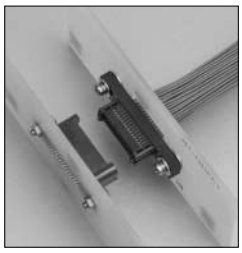
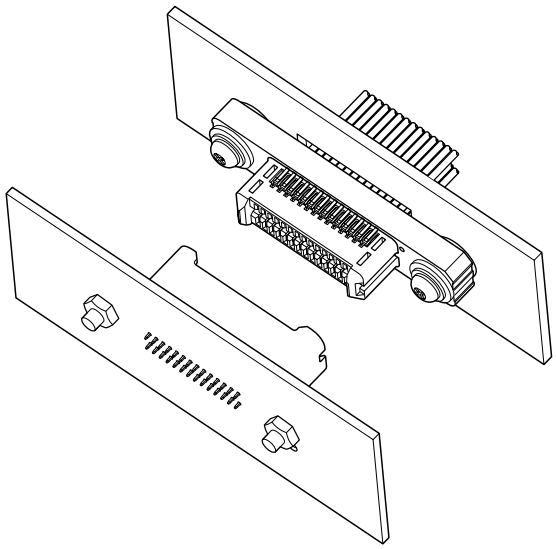


RTZ CONNECTOR

1.5mm pitch/Disconnectable Crimp style connectors



The RTZ connector is a drawer connector with floating mechanism which makes design of equipment easy. Correspond to the miniaturization of equipment by realizing the downsizing and the space saving with 1.5mm pitch and the distance of 19.9mm at the minimum between board and panel.

- ***Floating mechanism (Rate of movement: ±1.1mm)***
- ***Space saving design***
- ***High reliability contact***
- ***Secure the versatility and reliability of the installation by the application of the standard M3 screw.***

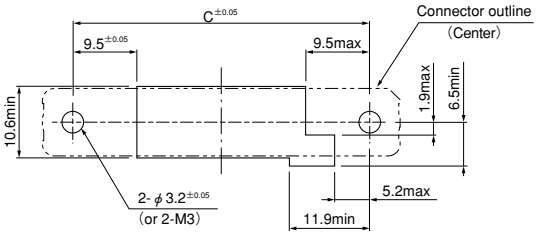
Specifications

- Current rating: 2 A AC, DC (AWG #24)
- Voltage rating: 50 V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 30 mΩ max.
  After environmental tests/ 50 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #28 to #24
  Insulation O.D./ 0.8 to1.2 mm
- Applicable PC board thickness: 1.6 mm

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

Panel layout, PC board layout and Assembly layout

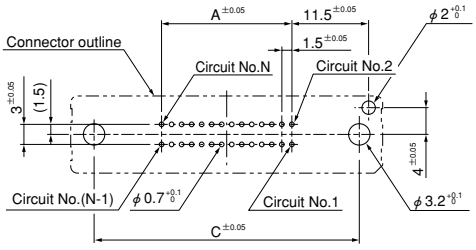
Panel layout for receptacle



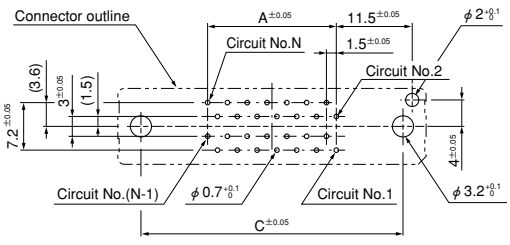
Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Punch holes in the panel according to the figures shown above. Burrs must be removed.
3. The strength of the panel must be considered when punching two or more holes.

PC board layout for plug

- **In-line type**

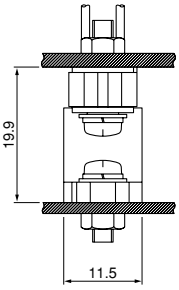


- **Staggered type**

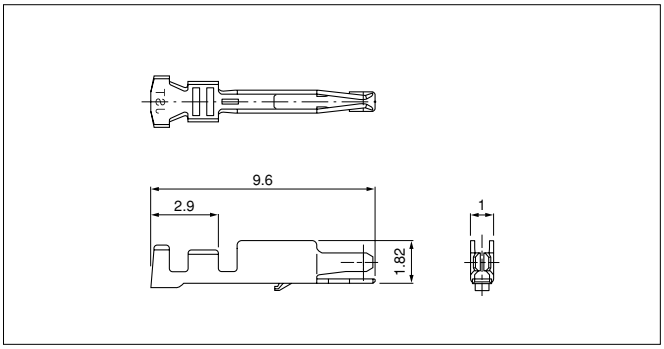


Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.05 mm for all centers.
3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Assembly layout



Receptacle contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG#		
SRTZ-002GSA-P0.3	0.08～0.21	28～24	0.8～1.2	15,000

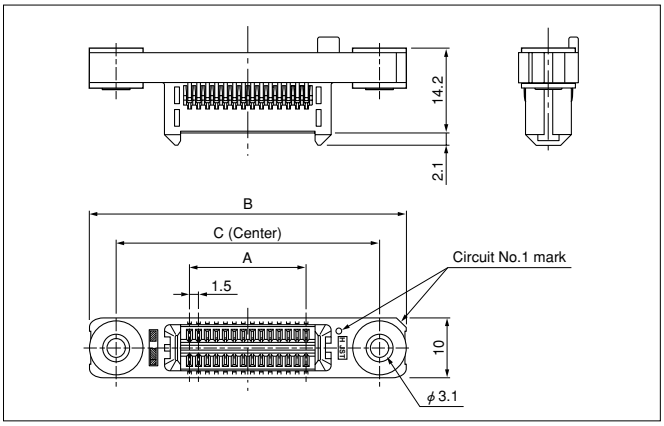
Material and Finish

Copper alloy, nickel-undercoated, Mating part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SRTZ-002GSA-P0.3	AP-K2N	MKS-L	MK/SRTZ-002-03	APLMK/SRTZ002-03

Receptacle



Circuits	Model No.	Dimensions (mm)			Q'ty/ box
		A	B	C	
4	**RTZR-04V-K-FB**	—	35.0	26.0	1,512
16	**RTZR-16V-K-FB**	10.5	44.0	35.0	1,296
20	**RTZR-20V-K-FB**	13.5	47.0	38.0	1,080
22	**RTZR-22V-K-FB**	15.0	48.5	39.5	1,080
28	**RTZR-28V-K-FB**	19.5	53.0	44.0	1,080

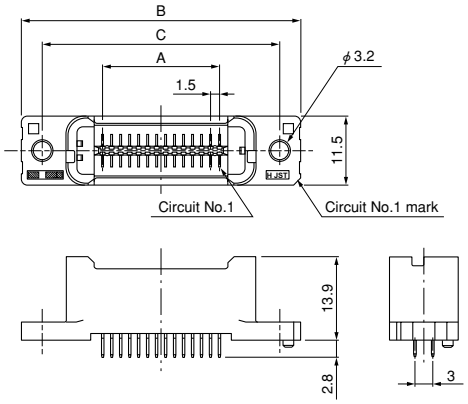
Material and Finish

Washer, Floating rivet: Copper alloy, nickel-plated
Housing: Glass-filled PBT, UL94V-0, black

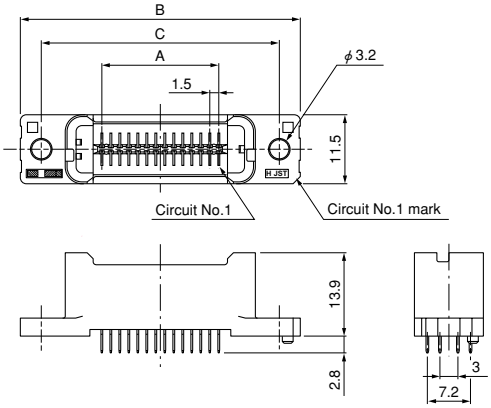
RoHS compliance

Plug

- **In-line type**



- **Staggered type**



Circuits	Model No.		Dimensions (mm)			Q'ty/ box
	In-line type	Staggered type	A	B	C	
4	**RTZP-04V-K1GSA**	—	—	28.7	21.7	2,016
16	**RTZP-16V-K1GSA**	—	10.5	37.7	30.7	1,568
20	**RTZP-20V-K1GSA**	—	13.5	40.7	33.7	1,344
22	**RTZP-22V-K1GSA**	**RTZP-22V-K1GSA-B**	15.0	42.2	35.2	1,344
28	**RTZP-28V-K1GSA**	—	19.5	46.7	39.7	1,344

Material and Finish

Contact: Copper alloy, nickel-undercoated, Mating part; gold-plated
Solder tail; tin-plated (reflow treatment)
Housing: Glass-filled PBT, UL94V-0, black

RoHS compliance