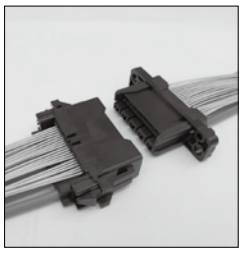
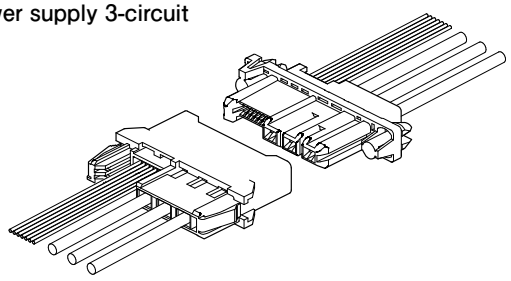


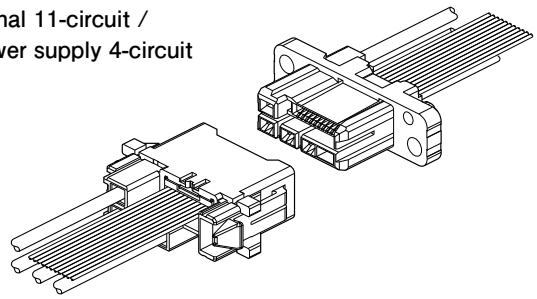
RVE CONNECTOR

Wire-to-Wire connectors

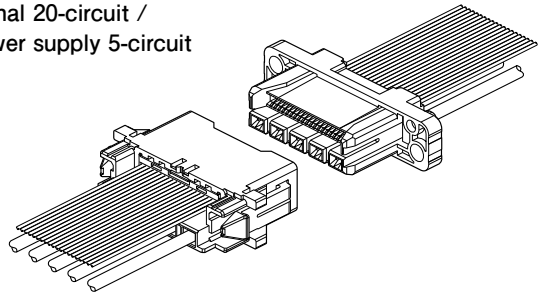
Signal 7-circuit /
Power supply 3-circuit



Signal 11-circuit /
Power supply 4-circuit



Signal 20-circuit /
Power supply 5-circuit



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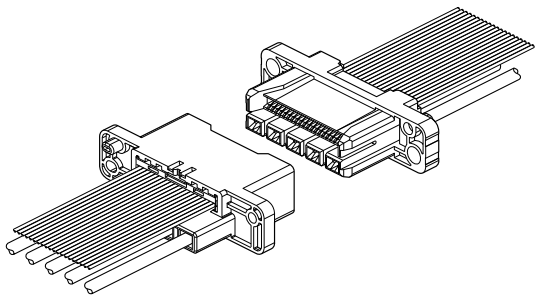


This is a hybrid-type drawer connector designed for unit-to-unit connections which can absorb misalignment and small movements between units. It features a highly reliable dual-contact structure to ensure stable connectivity. It is ideal for applications where only a few number of mating cycles is required.

■ Specifications

- Current rating: Signal line: 1.0 A AC/DC (AWG #26)
  Power line: 15 A AC/DC (AWG #14)
- Voltage rating: Signal line: 50 V AC/DC
  Power line: 250 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance:
  Signal line Initial value/40 mΩ max.
  After environmental tests/60 mΩ max.
  Power line Initial value/10 mΩ max.
  After environmental tests/20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage:
  Signal line/ There shall be no breakdown or flashover while applying 500 VAC for one minute.
  Power line/ There shall be no breakdown or flashover while applying 1,500 VAC for one minute.
- Applicable wire range:
  Power line
  Conductor size/AWG #24 to #14
  Insulation O.D./ type 01 φ1.4 to φ1.9 mm
  type 61 φ2.0 to φ3.6 mm
  Plug signal line
  Conductor size/ AWG #28 to AWG #26
  Insulation O.D./ φ0.78 mm to φ1.1 mm
  Receptacle signal line
  Applicable socket/CZ, CZH connectors
- Guaranteed mating cycles: 6,000 times

∗ Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the “Technical Documents” column on the ProductInformation page) before use.
∗ RoHS2 compliance
∗ Dimensional unit : mm
∗ Contact JST for details.

■ Standards

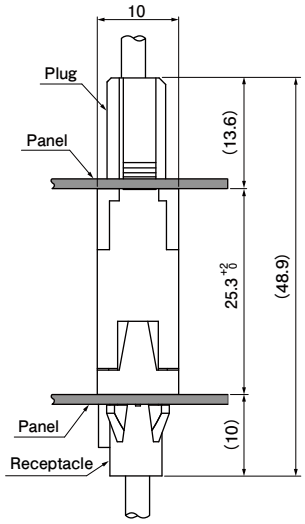
For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

※ The general specifications mentioned above are defined in the product specifications for this series. Please note that registered standards may differ.

JST

Assembly layout and Panel layout

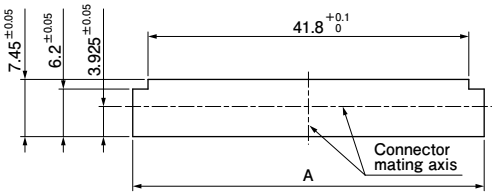
Signal 7-circuit / Power supply 3-circuit



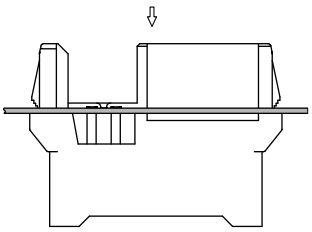
・Plug (Panel lock type)

Panel thickness: Refer to the table below.

Panel thickness: t	Dimentions A
t=1.2	45.8±0.05
t=1.6, 2.0	46.1±0.05

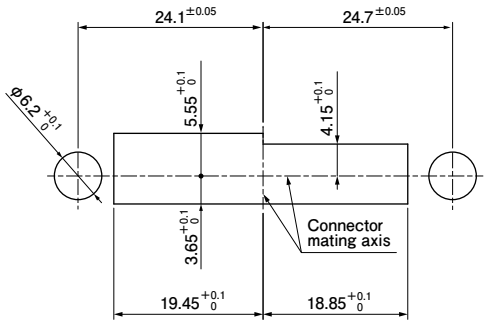


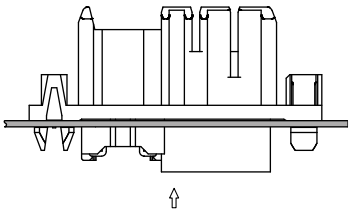
Arrow indication for panel direction



・Receptacle (Panel lock type)

Panel thickness: t1.2





Arrow indication for panel direction

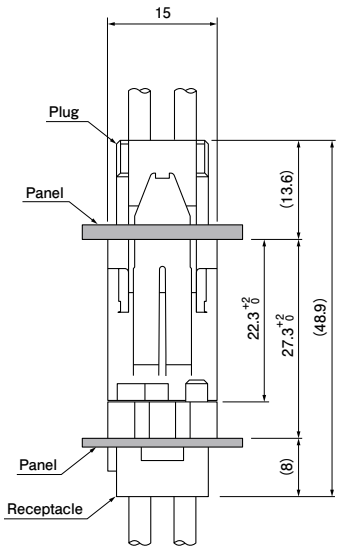
Note : 1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.
4. Both signal and power connections support one-to-one connectivity.

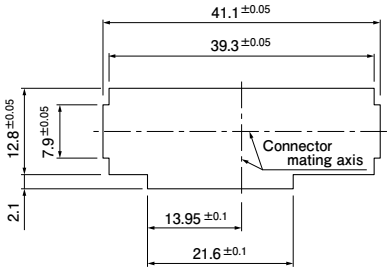
Assembly layout and Panel layout

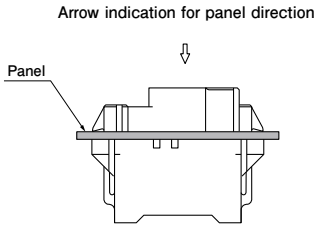
Signal 11-circuit / Power supply 4-circuit

・Plug (Panel lock type)

Panel thickness: t2.0

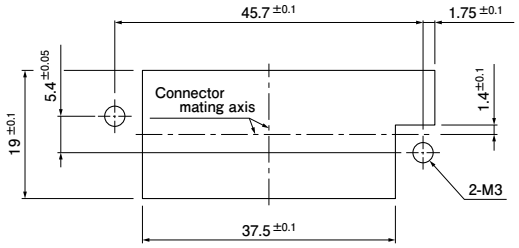


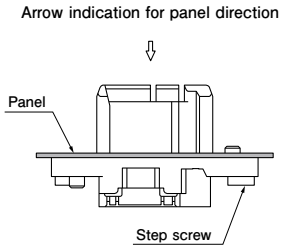


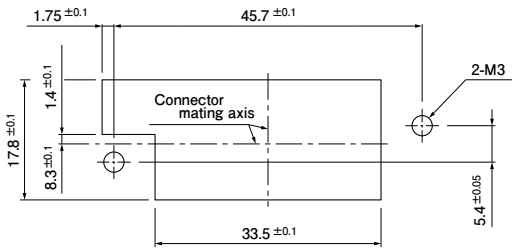


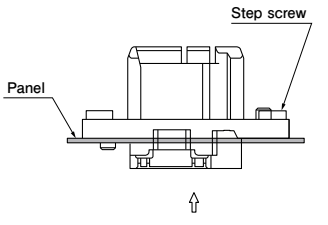
・Receptacle (Screw lock type)

Panel thickness: t0.8 to 2.0





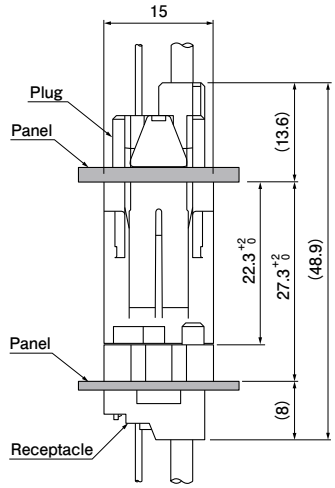




Note : 1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.
4. Both signal and power connections support one-to-one connectivity.

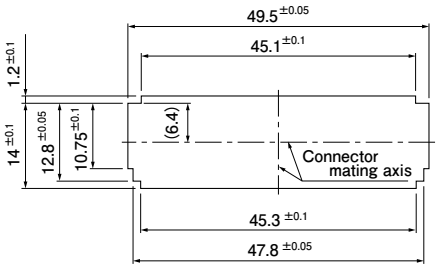
Assembly layout and Panel layout

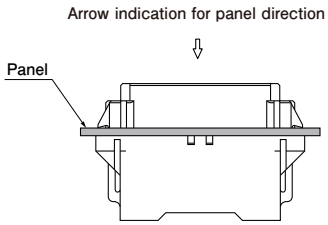
Signal 20-circuit / Power supply 5-circuit

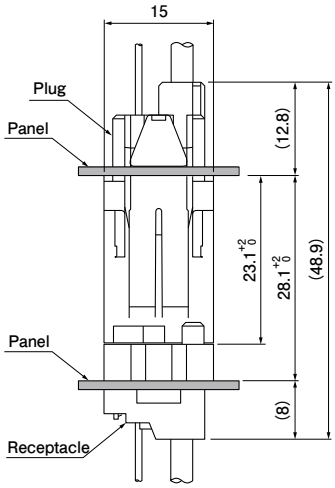


・Plug (Panel lock type)

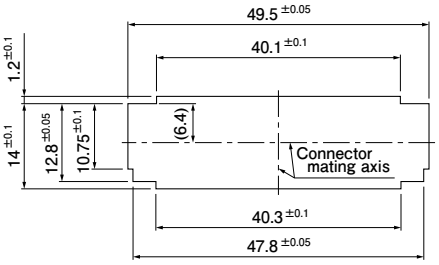
Panel thickness: t2.0

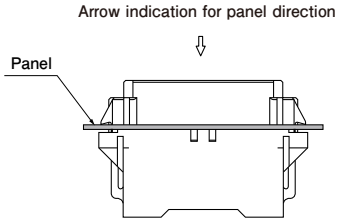


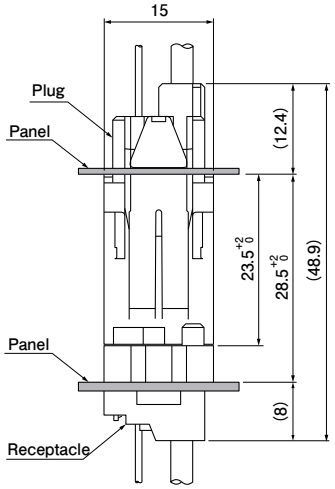




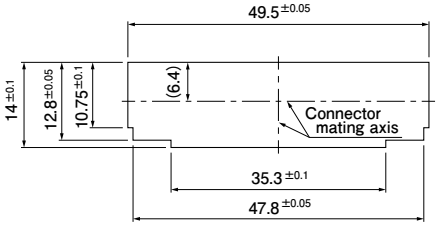
Panel thickness: t1.2 or 1.0

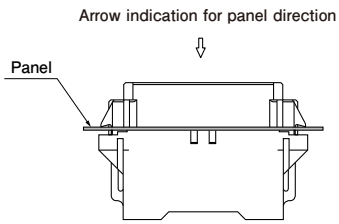






Panel thickness: t0.8





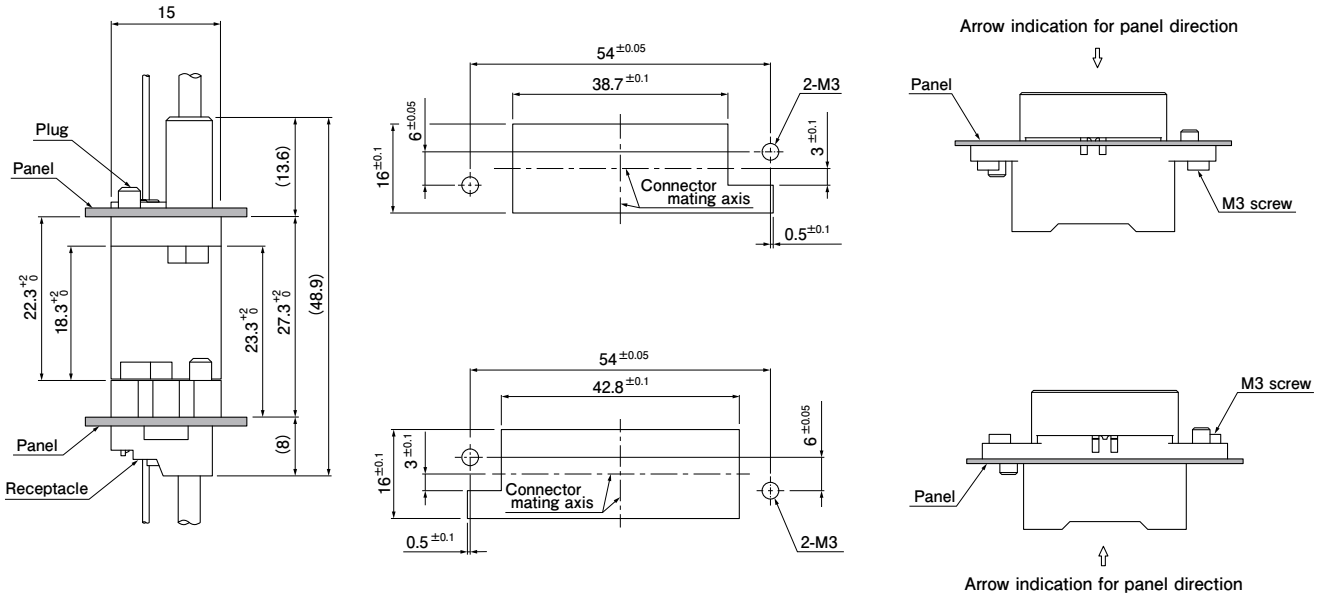
Note : 1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.
4. Both signal and power connections support one-to-one connectivity.

Assembly layout and Panel layout

Signal 20-circuit / Power supply 5-circuit

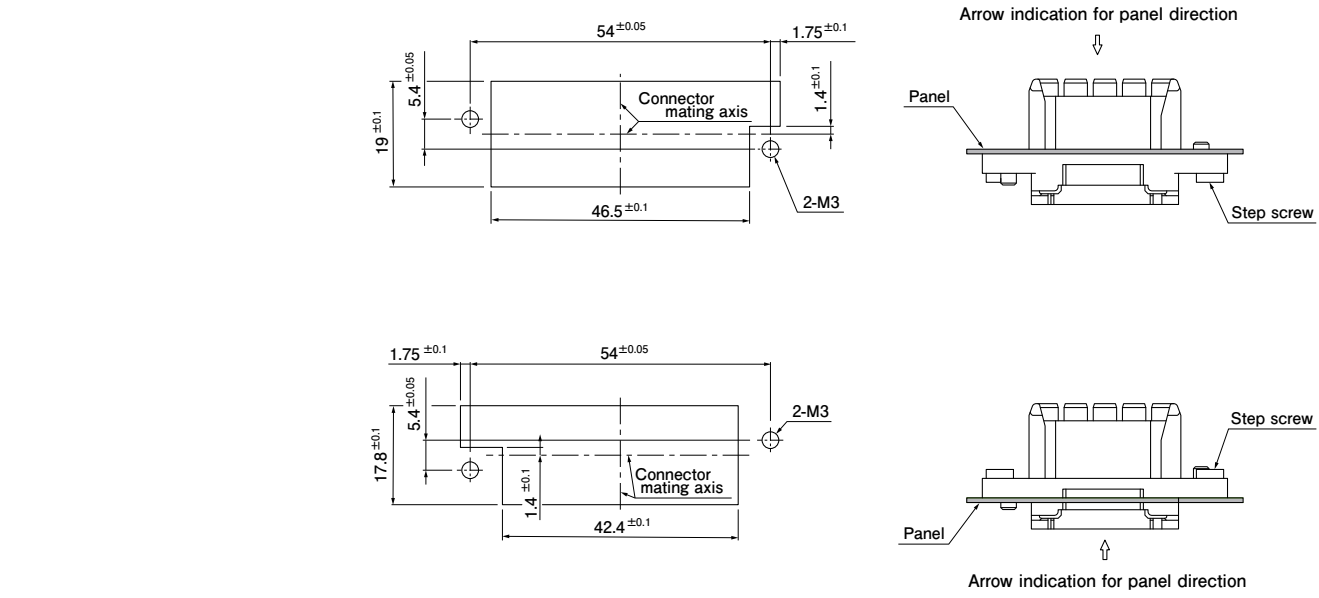
・Plug (Screw lock type)

Panel thickness: t0.8 to 2.0



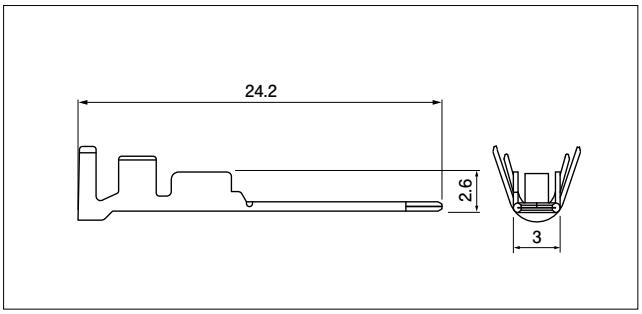
・Receptacle (Screw lock type)

Panel thickness: t0.8 to 2.0



Note : 1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.
4. Both signal and power connections support one-to-one connectivity.

Plug contact for power line



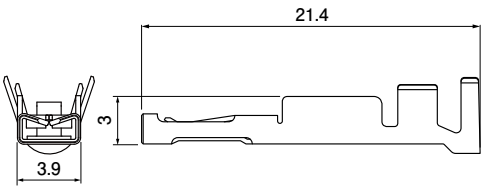
Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm²)	Insulation O.D. (mm)	
SRICM-01T-S0.6	#24 to #20 (0.2 to 0.5)	1.4 to 1.9	4,000
SRICM-61T-S0.6	#18 to #14 (0.7 to 2.0)	2.0 to 3.6	3,000

Material and Surface finish, etc.
Copper alloy, tin-plated

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRICM-01T-S0.6	AP-K2N	MKS-L	APLMK SRPF/IC/M01-06
SRICM-61T-S0.6			APLMK SRPF/IC/M61-06

Note: Contact JST for fully automatic crimping applicator.

Recepttacle contact for power line



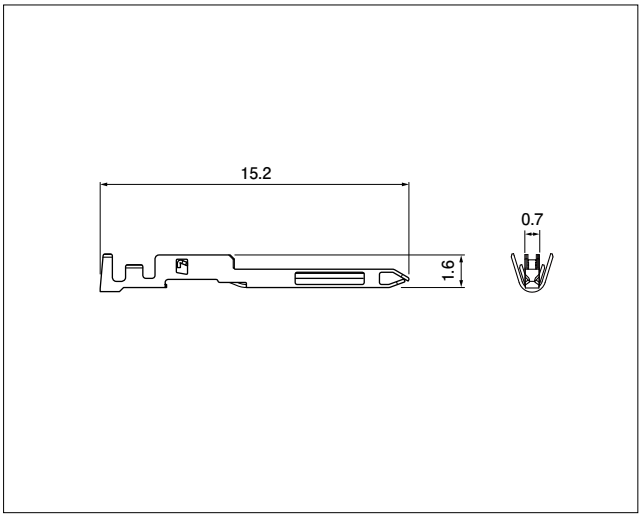
Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm²)	Insulation O.D. (mm)	
SRWF-01T-M0.6	#24 to #20 (0.2 to 0.5)	1.4 to 1.9	4,000
SRWF-61T-M0.6	#18 to #14 (0.75 to 2.0)	2.0 to 3.6	3,000

Material and Surface finish, etc.
Copper alloy, tin-plated

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRWF-01T-M0.6	AP-K2N	MKS-L	APLMK SRPF/IC/M01-06
SRWF-61T-M0.6			APLMK SRPF/IC/M61-06

Note: Contact JST for fully automatic crimping applicator.

Plug contact for signal line



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm²)	Insulation O.D. (mm)	
SRWMP-002T-M0.9	#28 to #26 (0.08 to 0.13)	0.78 to 1.1	18,000

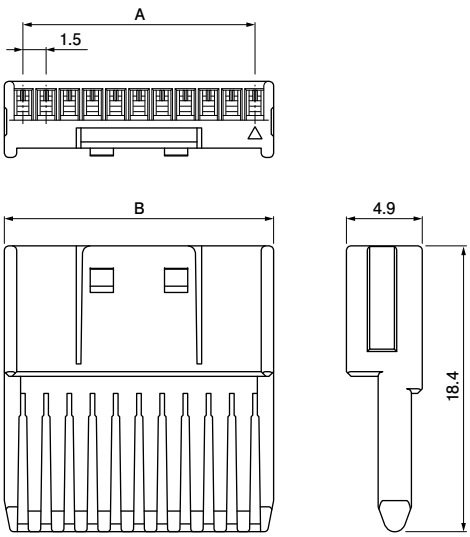
Material and Surface finish, etc.
Copper alloy, tin-plated

This product displays (LF)(SN) on a label.

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRWMP-002T-M0.9	AP-K2N	MKS-L-10-3	APLMK SRWMP002-09

Note: Contact JST for fully automatic crimping applicator.

Plug signal unit



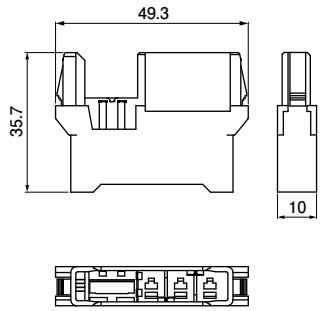
No. of circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
7	**RWMYP-07-K**	9.0	11.4	1,200
11	**RWMYP-11-K**	15.0	17.4	1,000
20	**RWMYP-20-K**	28.5	30.9	500

Material and Surface finish, etc.
PBT (GF), black

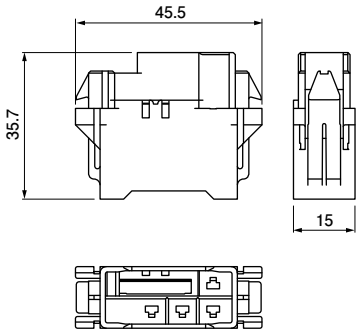
For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Plug housing

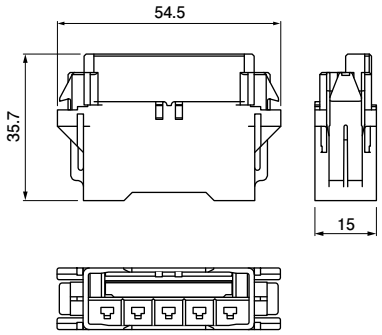
Signal 7-circuit /
Power supply 3-circuit
(Panel lock type)



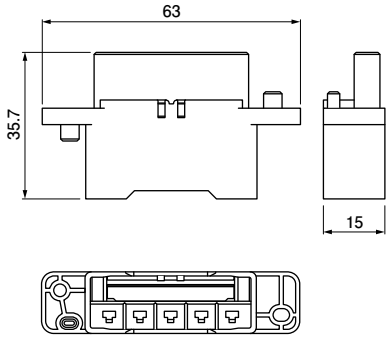
Signal 11-circuit /
Power supply 4-circuit
(Panel lock type)



Signal 20-circuit /
Power supply 5-circuit
(Panel lock type)



Signal 20-circuit /
Power supply 5-circuit
(Screw lock type)



Panel lock type

No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
3	7	**RVEP-07S3-K-RA-S**	210
4	11	**RVEP-11S4-K-R**	216
5	20	**RVEP-20S5-K-RA**	168

Material and Surface finish, etc.
PBT(GF), black

For flame retardant grade of resin material used, please refer tothe "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

Screw lock type

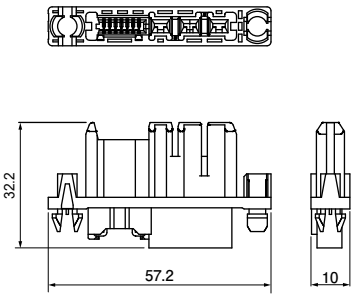
No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
5	20	**RVEP-20S5-K-N**	192

Material and Surface finish, etc.
PBT(GF), black

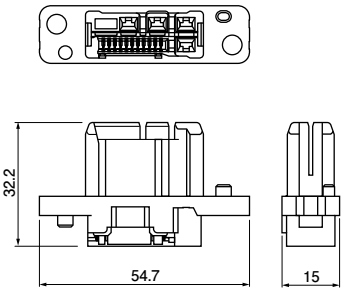
For flame retardant grade of resin material used, please refer tothe "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

Receptacle

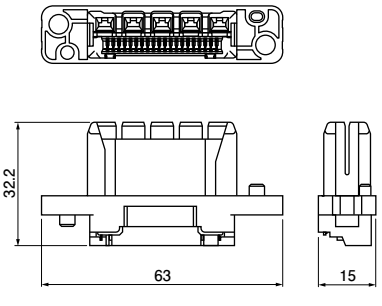
Signal 7-circuit /
Power supply 3-circuit
(Panel lock type)



Signal 11-circuit /
Power supply 4-circuit
(Screw lock type)



Signal 20-circuit /
Power supply 5-circuit
(Screw lock type)



Panel lock type

No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
3	7	**07S3R-RVE-K-RF1.2T-S**	210

Material and Surface finish, etc.
Contact: Copper alloy, tin-plated Housing: PBT(GF), black

For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

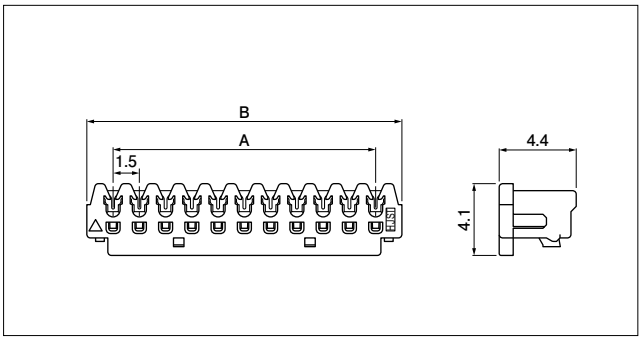
Screw lock type

No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
4	11	**11S4R-RVE-K-NT-4G**	216
5	20	**20S5R-RVE-K-NT-1G**	192

Material and Sueface finish, etc.
Contact: Copper alloy, tin-plated Housing: PBT(GF), black

For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

CZ Connector Socket

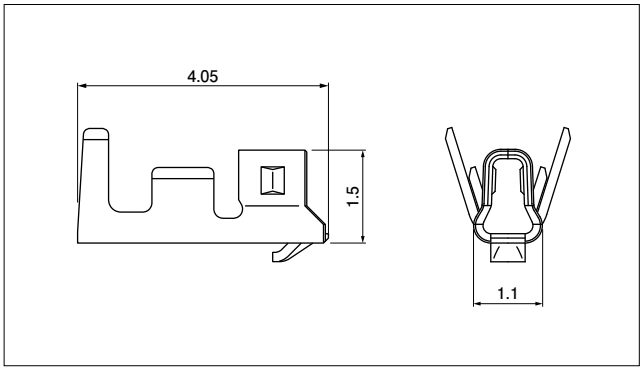


No. of circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
7	**07CZ-6H**	9.0	12.0	2,000
11	**11CZ-6H**	15.0	18.0	1,000
20	**20CZ-6H**	28.5	31.5	1,000

Material and Surface finish, etc.
Contact: Copper alloy, tin-plated Housing: PA (GF), natural

For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

CZH Connector Contact



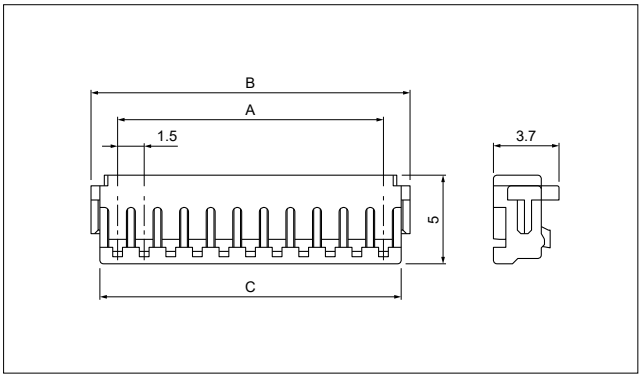
Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm²)	Insulation O.D. (mm)	
SCZH-002T-P0.5	#28 to #26 (0.08 to 0.13)	0.8 to 1.1	13,000

Material and Surface finish, etc.
Copper alloy, tin-plated

Contact	Crimping machine	Applicator	Crimp applicator with dies
SCZH-002T-P0.5	AP-K2N	MKS-L	**APLMK SCZH002-05**

Note: Contact JST for fully automatic crimping applicator.

CZH Connector Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
7	**CZHR-07V-S**	9.0	12.0	1,000
11	**CZHR-11V-S**	15.0	18.0	1,000
20	**CZHR-20V-S**	28.5	31.5	1,000

Material and Surface finish, etc.
PBT, natual

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