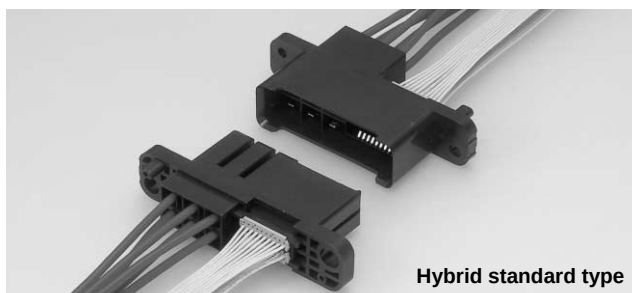
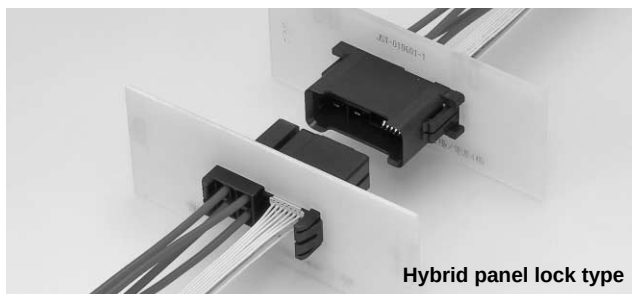


RWZ CONNECTOR

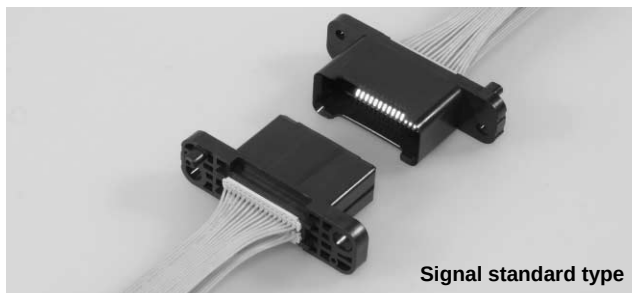
Disconnectable Crimp style Wire-to-wire connectors



Hybrid standard type

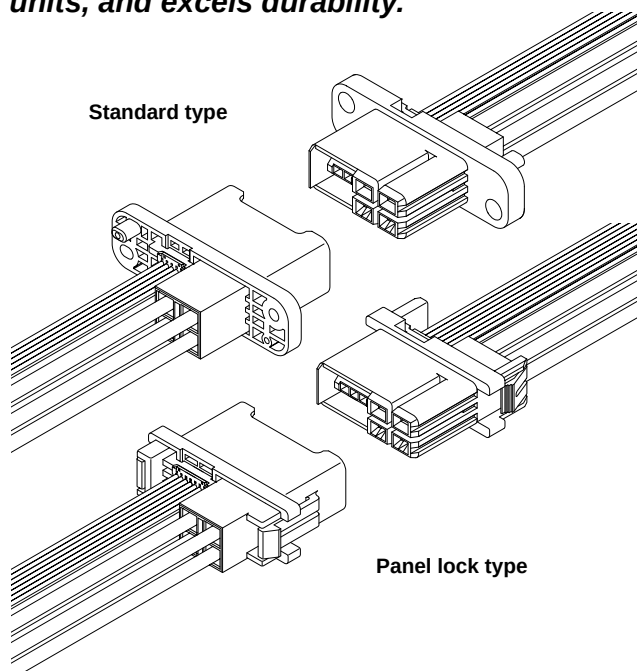


Hybrid panel lock type



Signal standard type

In unit connection, this RWZ connector is a hybrid type double row drawer connector with combined signal and power supply circuits, absorbs misalignment between units, and excels durability.



Standard type

Panel lock type

Features

• Durability

With the bellows type contacts, 20,000 cycles of mating/unmating is guaranteed. In addition, low insertion and withdrawal force is realized.

• Absorbed misalignment mechanism

Chamfering at mating part is conducted to absorb misalignment between units, it can provide floating function due to mounting method.

• Space saving

Pitch for signal circuits is 1.5mm (.059") realizes space reducing of drawer connector.

• Hybrid type

Hybrid type connector with combined signal and power supply circuits is suitable for any variable circuits.

Specifications

- Current rating: Signal circuit 1.0A AC, DC (AWG #26)
Power supply circuit 15A AC, DC (AWG #14)
 - Voltage rating: Signal circuit 50V AC, DC
Power supply circuit 250V AC, DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance: Signal circuit Initial value/40m Ω max.
After environmental testing/60m Ω max.
Power supply circuit Initial value/10mΩ max.
After environmental testing/20m Ω max.
 - Insulation resistance: 500M Ω min.
 - Withstanding voltage: Signal circuit 500V AC
Power supply circuit 1,500V AC
 - Applicable wire: Power supply circuit Conductor AWG #24 to #14
Insulation O.D. 1.4 to 3.6mm (.055" to .142")
Signal circuit Applicable receptacle CZ, CZH
 - Mounting method: Screw, panel lock
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

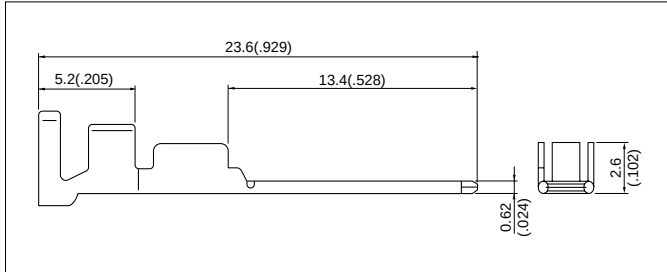
Standards

Recognized E60389

Certified LR20812

RWZ CONNECTOR

Power supply circuit contact plug

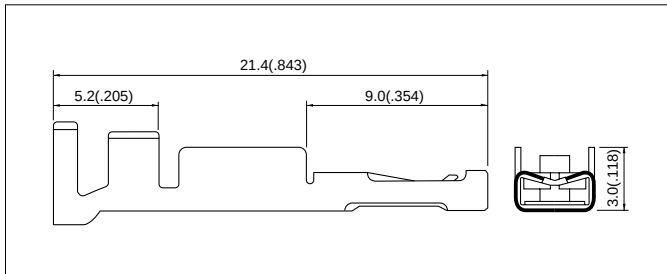


Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm ²	AWG #		
SRWM-01GG-S0.6	0.2 to 0.5	24 to 20	1.4 to 1.9(.055 to .075)	4,000
SRWM-21GG-S0.6	0.3 to 0.75	22 to 18	1.55 to 3.1(.061 to .122)	—
SRWM-61GG-S0.6	0.75 to 2.0	18 to 14	2.0 to 3.6(.079 to .142)	3,000

Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated

Power supply circuit contact receptacle

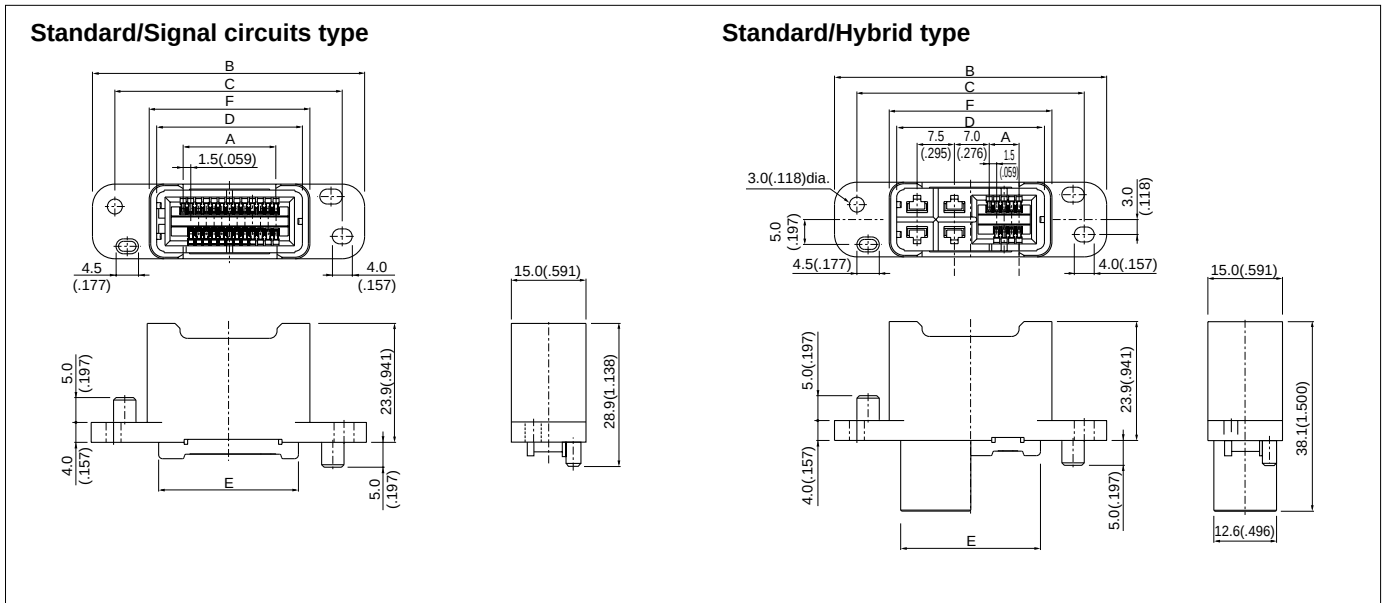


Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm ²	AWG #		
SRWF-01GG-M0.6	0.2 to 0.5	24 to 20	1.4 to 1.9(.055 to .075)	4,000
SRWF-21GG-M0.6	0.3 to 0.75	22 to 18	1.55 to 3.1(.061 to .122)	3,000
SRWF-61GG-M0.6	0.75 to 2.0	18 to 14	2.0 to 3.6(.079 to .142)	3,000

Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated

Plug



Circuits		Model No.	Dimensions mm(in.)								Q'ty
Power supply	Signal		A	B	C	D	E	F	G	H	
—	25	25P-RWZV-K4GG	18.0(.709)	63.2(2.094)	44.2(1.740)	28.2(1.110)	26.6(1.047)	31.2(1.228)	32.2(1.268)	27.6(1.087)	240
	31	31P-RWZV-K4GG	22.5(.886)	57.7(2.272)	48.7(1.917)	32.7(1.287)	31.1(1.224)	35.7(1.406)	36.7(1.445)	32.1(1.264)	216
	33	33P-RWZV-K4GG	24.0(.945)	59.2(2.331)	50.2(1.976)	34.2(1.346)	32.6(1.283)	37.2(1.465)	38.2(1.504)	33.6(1.323)	192

Material and Finish

Contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated
Housing: PBT, UL94V-0, black

Circuits		Model No.	Dimensions mm(in.)								Q'ty
Power supply	Signal		A	B	C	D	E	F	G	H	
2	39	39P-RWZV-K4GG-P2	28.5(1.122)	69.7(2.744)	60.7(2.390)	44.7(1.760)	43.1(1.697)	47.7(1.878)	48.7(1.917)	44.1(1.736)	168
		09P-RWZV-K4GG-P4	6.0(.236)	54.7(2.154)	45.7(1.799)	29.7(1.169)	28.1(1.106)	32.7(1.287)	33.7(1.327)	29.1(1.146)	216
4	13	13P-RWZV-K4GG-P4	9.0(.354)	57.7(2.272)	48.7(1.917)	32.7(1.287)	31.1(1.224)	35.7(1.406)	36.7(1.445)	32.1(1.264)	216
		21P-RWZV-K4GG-P4	15.0(.591)	63.7(2.508)	54.7(2.154)	38.7(1.524)	37.1(1.461)	41.7(1.642)	42.7(1.681)	38.1(1.500)	192
6	19	19P-RWZV-K4GG-P6	13.5(.531)	69.7(2.744)	60.7(2.390)	44.7(1.760)	43.1(1.697)	47.7(1.878)	48.7(1.917)	44.1(1.736)	168

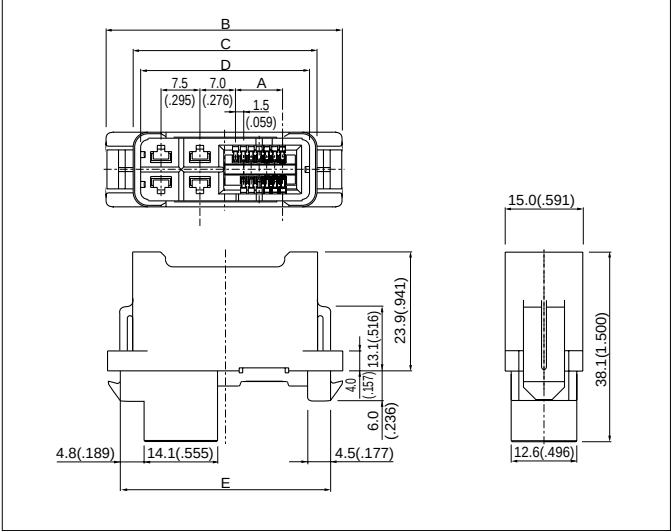
Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated
Housing: PBT, UL94V-0, black

RWZ CONNECTOR

Plug

Panel lock/Hybrid type



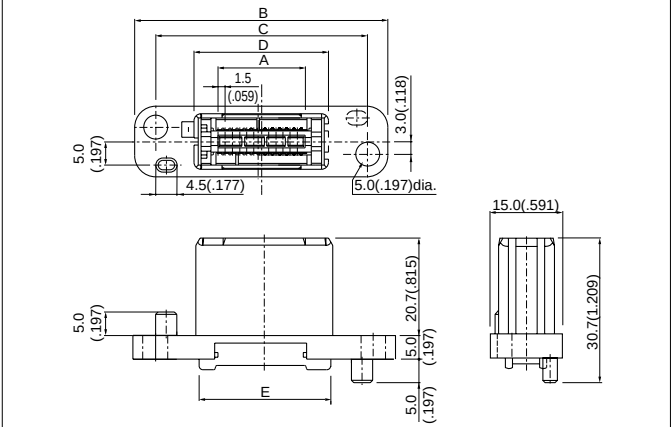
Circuits		Model No.	Dimensions mm(in.)						Q'ty
Power supply	Signal		A	B	C	D	E	F	
4	13	13P-RWZV-K4GG-P4FL	9.0 (.354)	45.5 (1.791)	35.7 (1.406)	32.7 (1.287)	40.7 (1.602)	41.5 (1.634)	216

Material and Finish

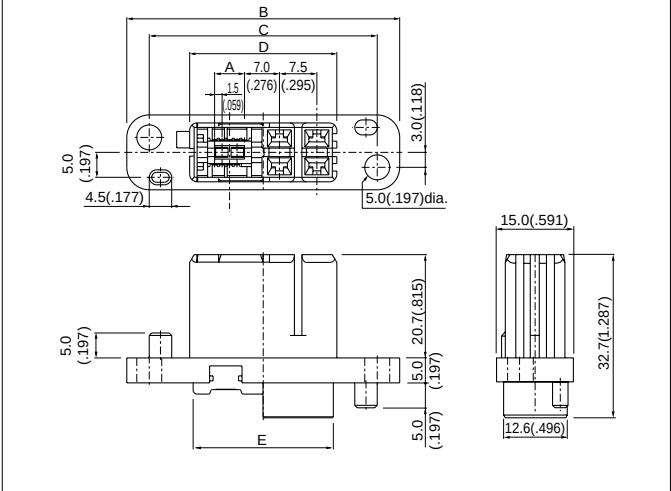
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated
Housing: PBT, UL94V-0, black

Receptacle

Standard/Signal circuits type



Standard/Hybrid type



Circuits		Model No.	Dimensions mm(in.)							Q'ty
Power supply	Signal		A	B	C	D	E	F	G	
-	25	25R-RWZV-K2GG	18.0 (.709)	53.2 (2.094)	44.2 (1.740)	28.0 (1.102)	26.6 (1.047)	34.2 (1.346)	29.6 (1.165)	240
	31	31R-RWZV-K2GG	22.5 (.886)	57.7 (2.272)	48.7 (1.917)	32.5 (1.280)	31.1 (1.224)	38.7 (1.524)	34.1 (1.343)	216
	33	33R-RWZV-K2GG	24.0 (.945)	59.2 (2.331)	50.2 (1.976)	34.0 (1.339)	32.6 (1.283)	40.2 (1.583)	35.6 (1.402)	240

Material and Finish

Contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated
Housing: PBT, UL94V-0, black

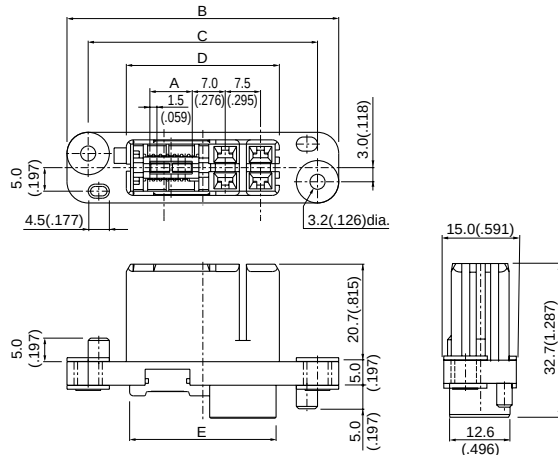
Circuits		Model No.	Dimensions mm(in.)							Q'ty
Power supply	Signal		A	B	C	D	E	F	G	
2	39	39R-RWZV-K2GG-P2	28.5 (1.122)	69.7 (2.744)	60.7 (2.390)	44.5 (1.752)	43.1 (1.697)	50.7 (1.996)	46.1 (1.815)	168
	9	09R-RWZV-K2GG-P4	6.0 (.236)	54.7 (2.154)	45.7 (1.799)	29.5 (1.161)	28.1 (1.106)	35.7 (1.406)	31.1 (1.224)	216
4	13	13R-RWZV-K2GG-P4	9.0 (.354)	57.7 (2.272)	48.7 (1.917)	32.5 (1.280)	31.1 (1.224)	38.7 (1.524)	34.1 (1.343)	216
	21	21R-RWZV-K2GG-P4	15.0 (.591)	63.7 (2.508)	54.7 (2.154)	38.5 (1.516)	37.1 (1.461)	44.7 (1.760)	40.1 (1.579)	192
6	19	19R-RWZV-K2GG-P6	13.5 (.531)	69.7 (2.744)	60.7 (2.390)	44.5 (1.752)	43.1 (1.697)	50.7 (1.996)	46.1 (1.815)	168

Material and Finish

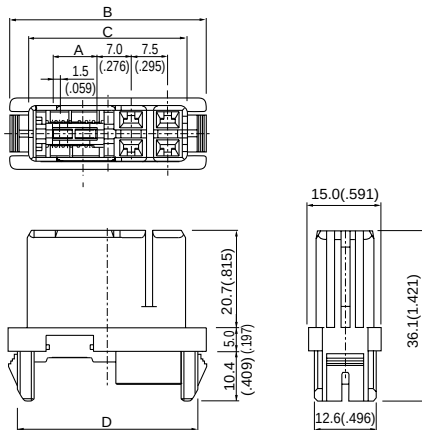
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated
Housing: PBT, UL94V-0, black

Receptacle

Floating bushing/Hybrid type



Panel lock/Hybrid type



Circuits		Model No.	Dimensions mm(in.)							Q'ty
Power supply	Signal		A	B	C	D	E	F	G	
2	39	39R-RWZV-K2GG-P2BM	28.5 (1.122)	69.7 (2.744)	60.7 (2.390)	44.5 (1.752)	43.1 (1.697)	50.7 (1.996)	46.1 (1.815)	168
4	21	21R-RWZV-K2GG-P4BM	15.0 (.591)	63.7 (2.508)	54.7 (2.154)	38.5 (1.516)	37.1 (1.461)	44.7 (1.760)	40.1 (1.579)	192

Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated

Housing: PBT, UL94V-0, black

Washer: Copper alloy, nickel-plated

Floating rivet: Copper alloy, nickel-plated

Circuits		Model No.	Dimensions mm(in.)							Q'ty
Power supply	Signal		A	B	C	D	E	F		
								t=1.2 (.047)	t=1.6(.063), 2.0(.079)	
4	13	13R-RWZV-K2GG-Q4RL	9.0 (.354)	40.3 (1.587)	32.5 (1.280)	36.5 (1.437)	36.7 (1.445)	37.2 (1.465)	37.5 (1.476)	264

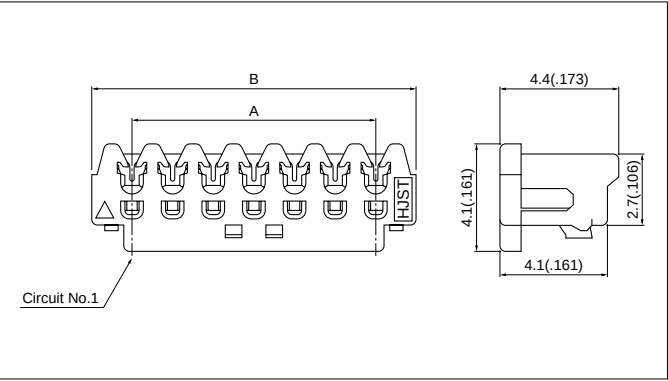
Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, selective tin/lead-plated

Housing: PBT, UL94V-0, black

RWZ CONNECTOR

CZ connector socket

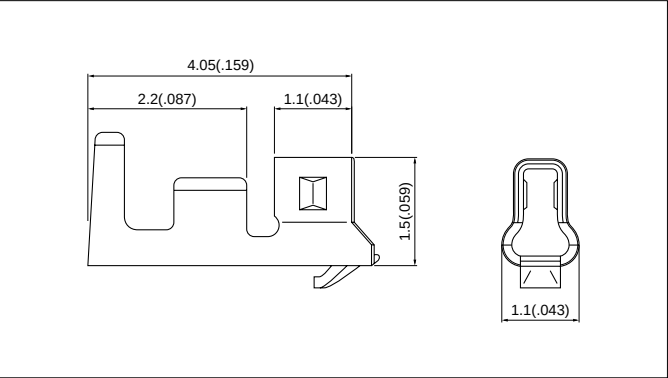


Circuits	Model No.		Dimensions mm(in.)		Q'ty / box
	Gray	Yellow	A	B	
4	04CZ-6H	04CZ-6Y	4.5(.177)	7.5(.295)	2,000
5	05CZ-6H	05CZ-6Y	6.0(.236)	9.0(.354)	2,000
6	06CZ-6H	06CZ-6Y	7.5(.295)	10.5(.413)	2,000
7	07CZ-6H	07CZ-6Y	9.0(.354)	12.0(.472)	2,000
9	09CZ-6H	09CZ-6Y	12.0(.472)	15.0(.591)	1,000
10	10CZ-6H	10CZ-6Y	13.5(.531)	16.5(.650)	1,000
11	11CZ-6H	11CZ-6Y	15.0(.591)	18.0(.709)	1,000
12	12CZ-6H	12CZ-6Y	16.5(.650)	19.5(.768)	1,000
13	13CZ-6H	13CZ-6Y	18.0(.709)	21.0(.827)	1,000
15	15CZ-6H	15CZ-6Y	21.0(.827)	24.0(.945)	1,000
16	16CZ-6H	16CZ-6Y	22.5(.886)	25.5(1.004)	1,000
17	17CZ-6H	17CZ-6Y	24.0(.945)	27.0(1.063)	1,000
19	19CZ-6H	19CZ-6Y	27.0(1.063)	30.0(1.181)	1,000
20	20CZ-6H	20CZ-6Y	28.5(1.122)	31.5(1.240)	1,000

Material and Finish

Contact: Copper alloy, tin-plated
Housing: Glass-filled nylon 66, UL94V-0

CZH connector contact



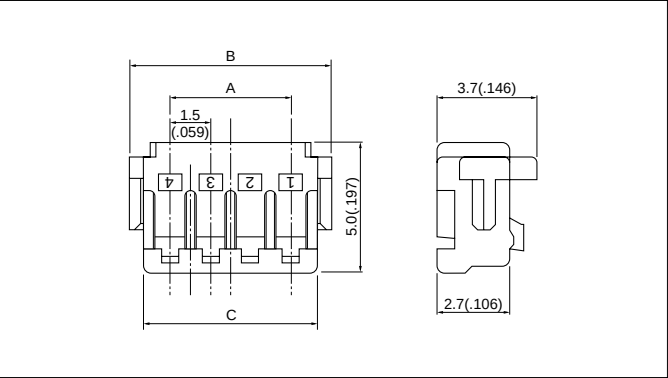
Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm ²	AWG #		
SCZH-002T-P0.5	0.08 to 0.13	28 to 26	0.8 to 1.1(.031 to .043)	13,000

Material and Finish

Copper alloy, tin-plated

Note: The product listed above is not UL/CSA approved in combination with RWZ connector. (CZH connector itself is approved.)

CZH connector housing



Circuits	Model No.	Dimensions mm(in.)			Q'ty / box
		A	B	C	
4	CZHR-04V-S	4.5(.177)	7.5(.295)	6.5(.256)	1,000
5	CZHR-05V-S	6.0(.236)	9.0(.354)	8.0(.315)	1,000
6	CZHR-06V-S	7.5(.295)	10.5(.413)	9.5(.374)	1,000
7	CZHR-07V-S	9.0(.354)	12.0(.472)	11.0(.433)	1,000
9	CZHR-09V-S	12.0(.472)	15.0(.591)	14.0(.551)	1,000
10	CZHR-10V-S	13.5(.531)	16.5(.650)	15.5(.610)	1,000
11	CZHR-11V-S	15.0(.591)	18.0(.709)	17.0(.669)	1,000
12	CZHR-12V-S	16.5(.650)	19.5(.768)	18.5(.728)	1,000
13	CZHR-13V-S	18.0(.709)	21.0(.827)	20.0(.787)	1,000
15	CZHR-15V-S	21.0(.827)	24.0(.945)	23.0(.906)	1,000
16	CZHR-16V-S	22.5(.886)	25.5(1.004)	24.5(.965)	1,000
17	CZHR-17V-S	24.0(.945)	27.0(1.063)	26.0(1.024)	1,000
19	CZHR-19V-S	27.0(1.063)	30.0(1.181)	29.0(1.142)	1,000
20	CZHR-20V-S	28.5(1.122)	31.5(1.240)	30.5(1.201)	1,000

Material

PBT, UL94V-0, natural (white)

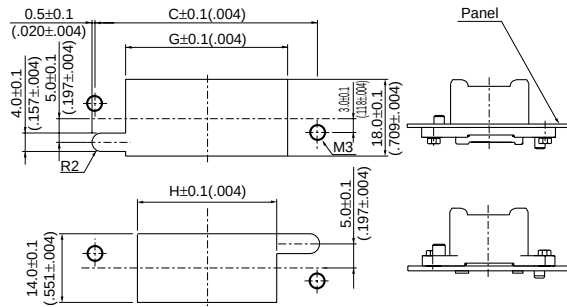
Note: The products listed above are not UL/CSA approved in combination with RWZ connector. (CZH connector itself is approved.)

Panel layout

Plug

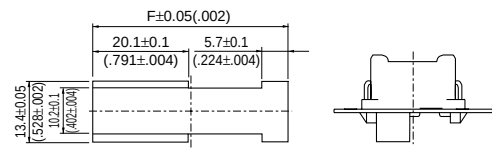
Standard type

Panel thickness: 0.8 to 2.0(.031" to .079")



Panel lock type

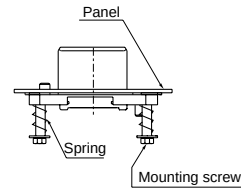
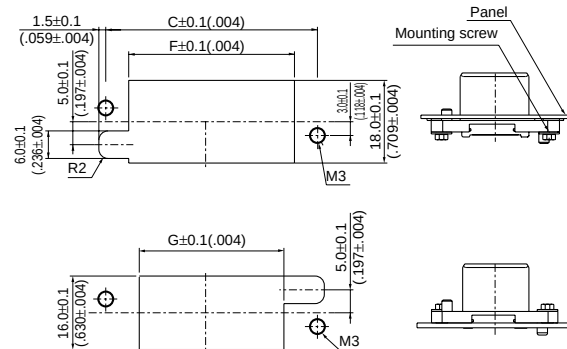
Panel thickness: 2.0(.079")



Receptacle

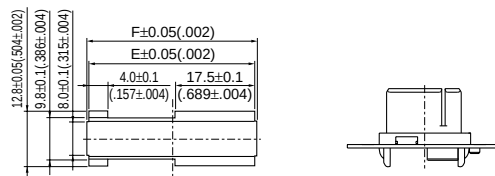
Standard type

Panel thickness: 0.8 to 2.0(.031" to .079")



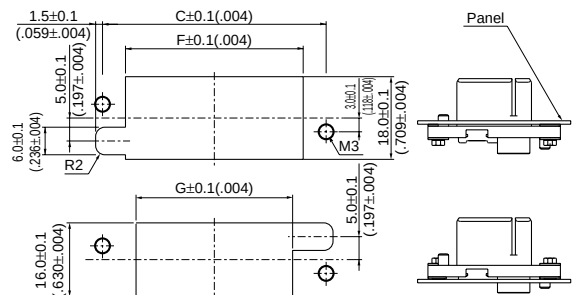
Panel lock type

Panel thickness: 1.2(.047"), 1.6(.063"), 2.0(.079")



Floating bushing type

Panel thickness: 0.8 to 2.0(.031" to .079")

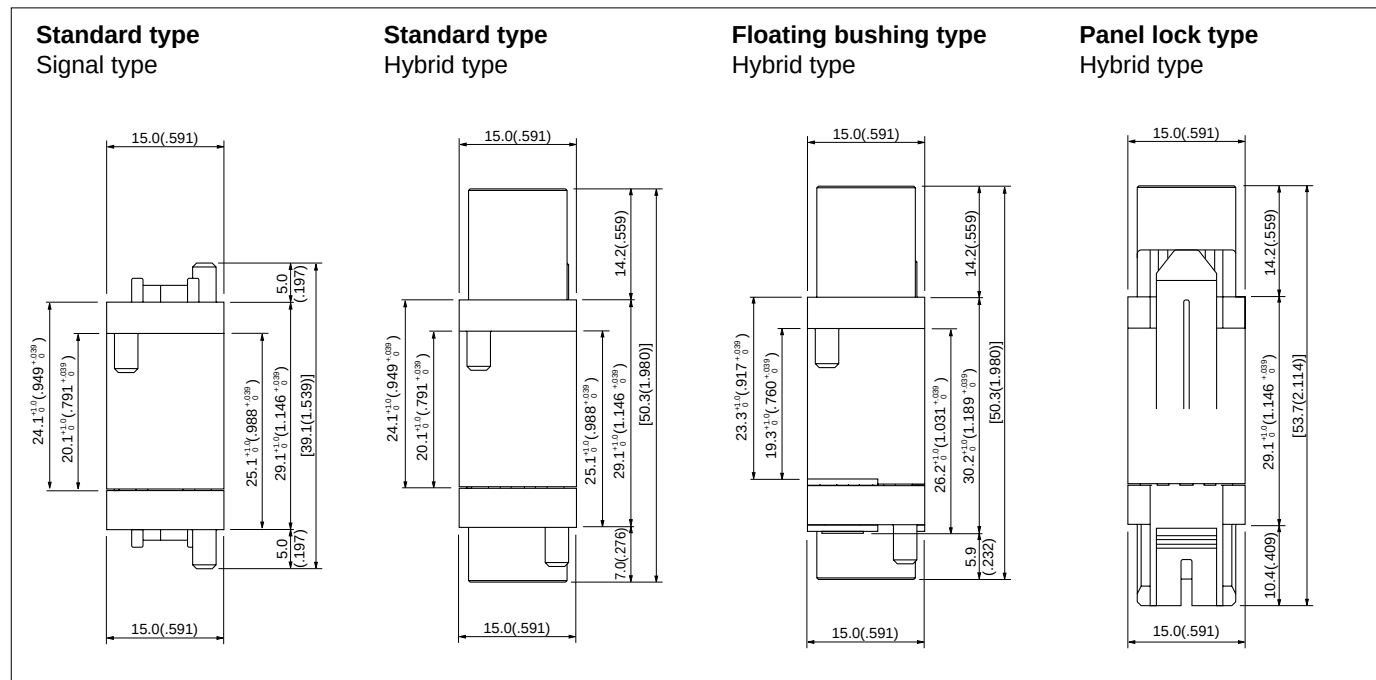


Note:

1. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

RWZ CONNECTOR

Assembly layout



Applicator for the semi-automatic press AP-K2N

Power supply circuit contact

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SRWM-01GG-S0.6	APLMK SRPF/M01-06	APLNC SRPF/M01-06	-	-	-
SRWM-21GG-S0.6	APLMK SRPF/M21-06	APLNC SRPF/M21-06	-	-	-
SRWM-61GG-S0.6	APLMK SRPF/M61-06	APLNC SRPF/M61-06	-	-	-
SRWF-01GG-M0.6	APLMK SRPF/M01-06	APLNC SRPF/M01-06	-	-	-
SRWF-21GG-M0.6	APLMK SRPF/M21-06	APLNC SRPF/M21-06	-	-	-
SRWF-61GG-M0.6	APLMK SRPF/M61-06	APLNC SRPF/M61-06	-	-	-

Signal contact

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SCZH-002T-P0.5	APLMK SCZH002-05	APLNC SCZH002-05	-	-	-