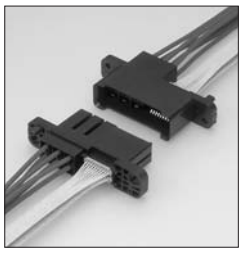
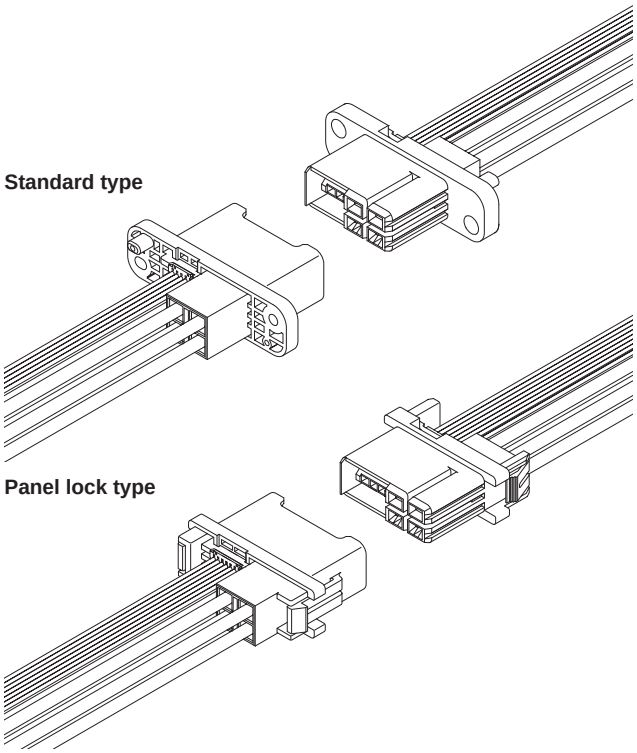


RWZ CONNECTOR

Disconnectable Crimp style Wire-to-wire connectors



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.

- ***High durability***
- ***Absorbed misalignment mechanism***
- ***Space saving***
- ***Hybrid type***

Specifications

- Current rating: Signal circuit 1.0 A AC, DC (AWG #26)
  Power supply circuit 15 A AC, DC (AWG #14)
- Voltage rating: Signal circuit 50 V AC, DC
  Power supply circuit 250 V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance:
  Signal circuit Initial value/ 40 mΩ max.
  After environmental tests/ 60 mΩ max.
  Power supply circuit Initial value/ 10 mΩ max.
  After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: Signal circuit 500 VAC
  Power supply circuit 1,500 VAC
- Applicable wire: Power supply circuit Conductor AWG #24 to #14
  Insulation O.D. 1.4 to 3.6 mm
  Signal circuit Applicable receptacle CZ, CZH
- Mounting method: Screw, Panel lock

* In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
* Contact JST for details.
* Compliant with RoHS.

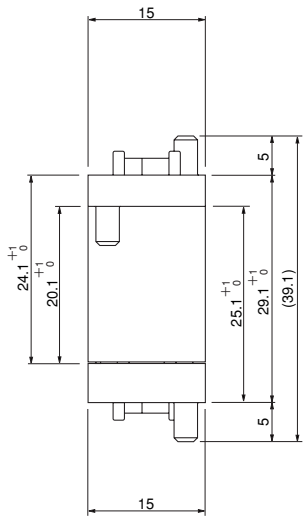
Standards

Recognized E60389

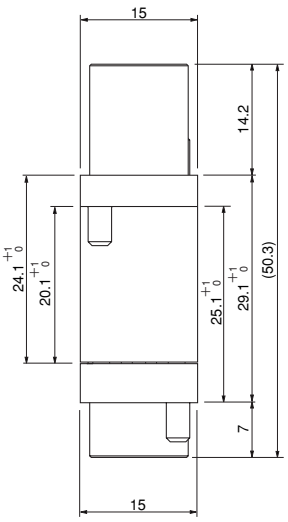
Certified LR20812

Assembly layout

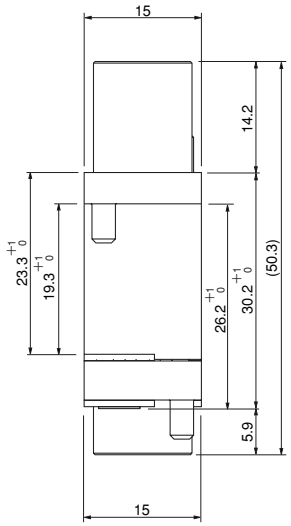
Standard type
Signal type



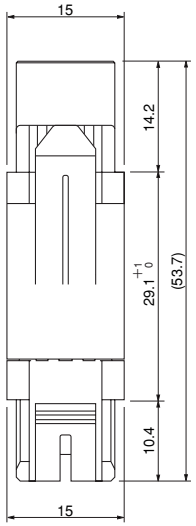
Standard type
Hybrid type



Floating bushing type
Hybrid type



Panel lock type
Hybrid type

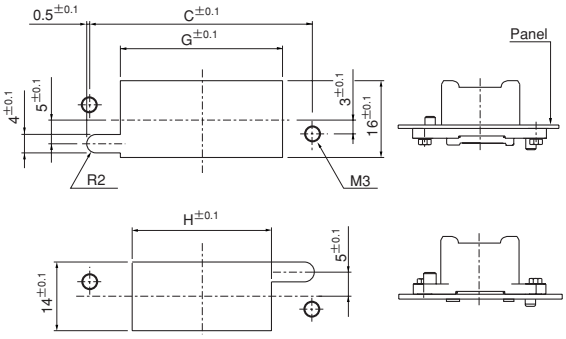


Panel layout

Plug

Standard type

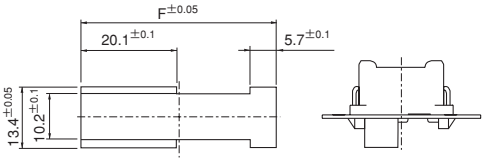
Panel thickness: 0.8 to 2.0 mm



Plug

Panel lock type

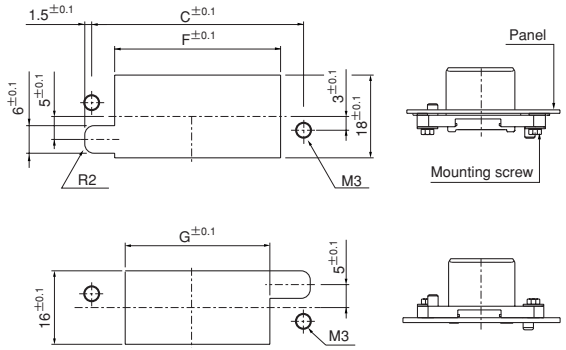
Panel thickness: 2.0 mm

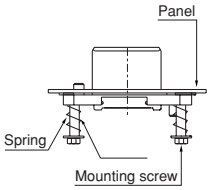


Receptacle

Standard type

Panel thickness: 0.8 to 2.0 mm

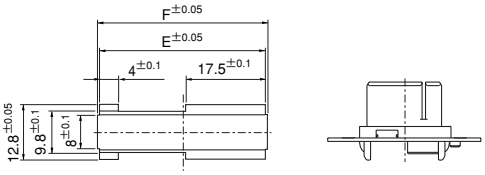




Receptacle

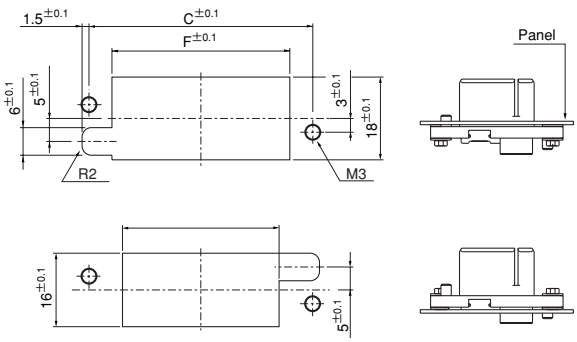
Panel lock type

Panel thickness: 1.2 mm, 1.6 mm, 2.0 mm



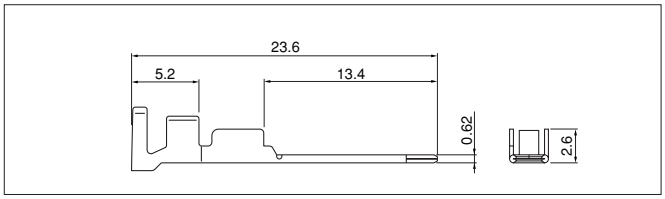
Floating bushing type

Panel thickness: 0.8 to 2.0 mm



Note: 1. Punch holes in the panel according to the figures 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.

Plug contact for power supply circuit



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG #		
SRWM-01GG-S0.6	0.2～0.5	24～20	1.4～1.9	4,000
SRWM-21GG-S0.6	0.3～0.75	22～18	1.55～3.1	3,000
SRWM-61GG-S0.6	0.75～2.0	18～14	2.0～3.6	3,000

Material and Finish

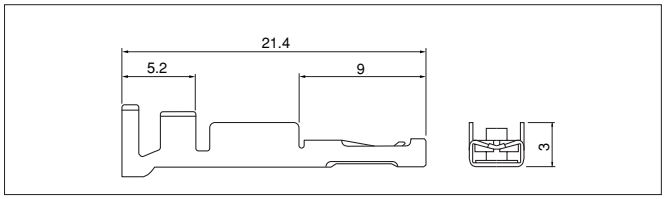
Copper alloy, nickel-undercoated, Contacting part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SRWM-01GG-S0.6	AP-K2N	MKS-L	MK/SRPF/M-01-06	APLMK SRPF/M01-06
		—	—	—
SRWM-21GG-S0.6		MKS-L	MK/SRPF/M-21-06	APLMK SRPF/M21-06
		—	—	—
SRWM-61GG-S0.6		MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06
		—	—	—

Note: Contact JST for fully automatic crimping applicator.

Receptacle contact for power supply circuit



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG #		
SRWF-01GG-M0.6	0.2～0.5	24～20	1.4～1.9	4,000
SRWF-21GG-M0.6	0.3～0.75	22～18	1.55～3.1	3,000
SRWF-61GG-M0.6	0.75～2.0	18～14	2.0～3.6	3,000

Material and Finish

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

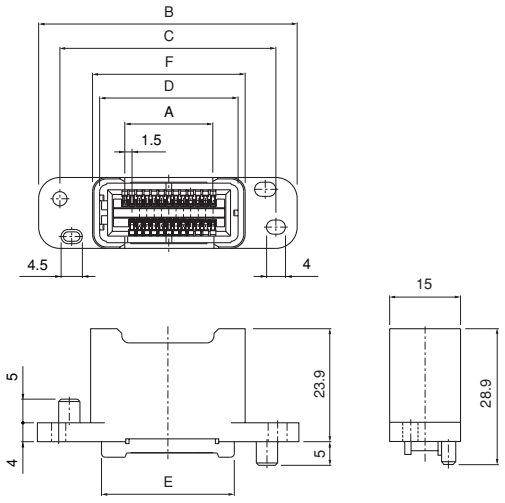
RoHS compliance *This product displays (LF)(SN) on a label.*

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SRWF-01GG-M0.6	AP-K2N	MKS-L	MK/SRPF/M-01-06	APLMK SRPF/M01-06
		—	—	—
SRWF-21GG-M0.6		MKS-L	MK/SRPF/M-21-06	APLMK SRPF/M21-06
		—	—	—
SRWF-61GG-M0.6		MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06
		—	—	—

Note: Contact JST for fully automatic crimping applicator.

Plug

Standard/Signal circuit type



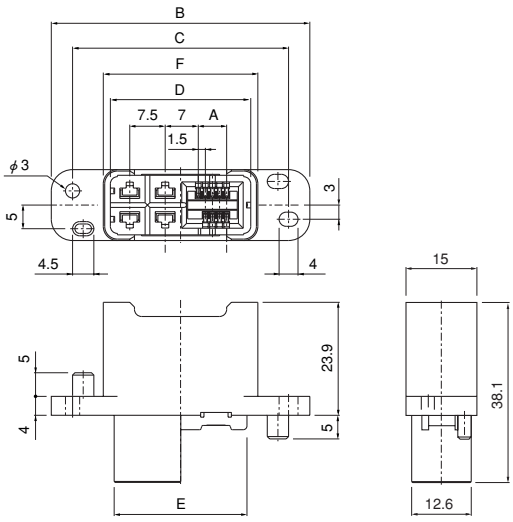
No. of circuits		Model No.	Dimensions (mm)								Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	H	
–	25	**25P-RWZV-K4GG**	18.0	53.2	44.2	28.2	26.6	31.2	32.2	27.6	240
	31	**31P-RWZV-K4GG**	22.5	57.7	48.7	32.7	31.1	35.7	36.7	32.1	216
	33	**33P-RWZV-K4GG**	24.0	59.2	50.2	34.2	32.6	37.2	38.2	33.6	192

Material and Finish

Contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)
Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

Standard/ Hybrid type (Connector with integrated signal and power)



No. of circuits		Model No.	Dimensions (mm)								Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	H	
2	39	**39P-RWZV-K4GG-P2**	28.5	69.7	60.7	44.7	43.1	47.7	48.7	44.1	168
4	9	**09P-RWZV-K4GG-P4**	6.0	54.7	45.7	29.7	28.1	32.7	33.7	29.1	216
	13	**13P-RWZV-K4GG-P4**	9.0	57.7	48.7	32.7	31.1	35.7	36.7	32.1	216
	21	**21P-RWZV-K4GG-P4**	15.0	63.7	54.7	38.7	37.1	41.7	42.7	38.1	192
6	19	**19P-RWZV-K4GG-P6**	13.5	69.7	60.7	44.7	43.1	47.7	48.7	44.1	168
	23	**23P-RWZV-K4GG-P6**	16.5	72.7	63.7	47.7	46.1	50.7	51.7	47.1	144

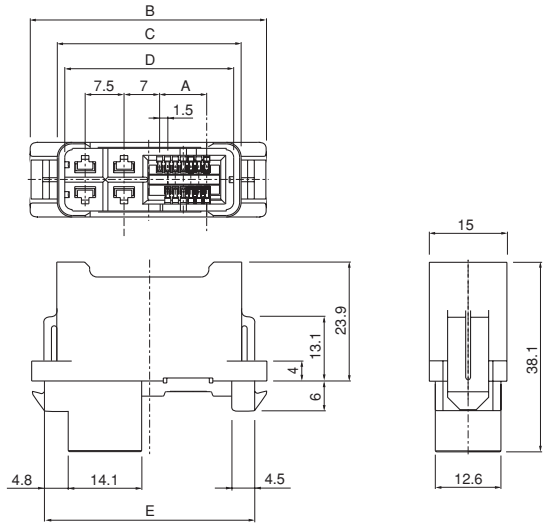
Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)
Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

Plug

Panel lock/
Hybrid type (Connector with integrated signal and power)



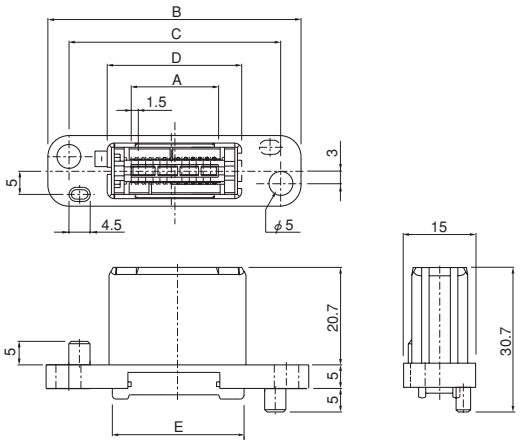
No. of circuits		Model No.	Dimensions (mm)						Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	
4	13	**13P-RWZV-K4GG-P4FL**	9.0	45.5	35.7	32.7	40.7	41.5	216

Material and Finish
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment) Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

Receptacle

Standard/Signal circuit type

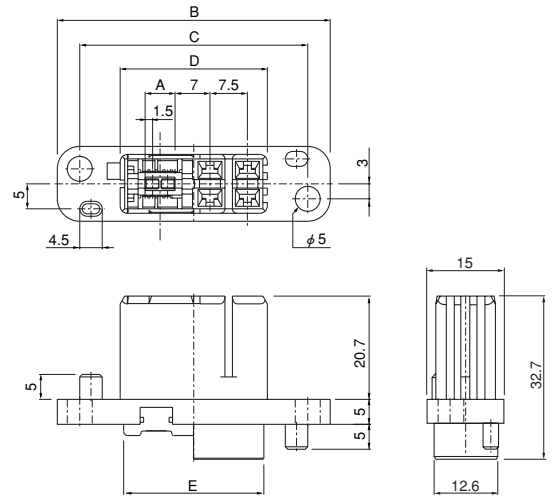


No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	
–	25	**25R-RWZV-K2GG**	18.0	53.2	44.2	28.0	26.6	34.2	29.6	240
	31	**31R-RWZV-K2GG**	22.5	57.7	48.7	32.5	31.1	38.7	34.1	216
	33	**33R-RWZV-K2GG**	24.0	59.2	50.2	34.0	32.6	40.2	35.6	240

Material and Finish
Contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment) Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

Standard/
Hybrid type (Connector with integrated signal and power)



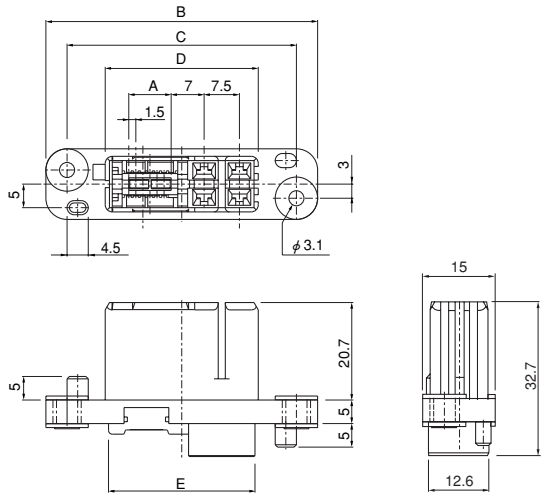
No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	
2	39	**39R-RWZV-K2GG-P2**	28.5	69.7	60.7	44.5	43.1	50.7	46.1	168
4	9	**09R-RWZV-K2GG-P4**	6.0	54.7	45.7	29.5	28.1	35.7	31.1	216
	13	**13R-RWZV-K2GG-P4**	9.0	57.7	48.7	32.5	31.1	38.7	34.1	216
	21	**21R-RWZV-K2GG-P4**	15.0	63.7	54.7	38.5	37.1	44.7	40.1	192
6	19	**19R-RWZV-K2GG-P6**	13.5	69.7	60.7	44.5	43.1	50.7	46.1	168
	23	**23R-RWZV-K2GG-P6**	16.5	72.7	63.7	47.5	46.1	53.7	49.1	144

Material and Finish
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment) Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

Receptacle

Floating bushing/
Hybrid type (Connector with integrated signal and power)

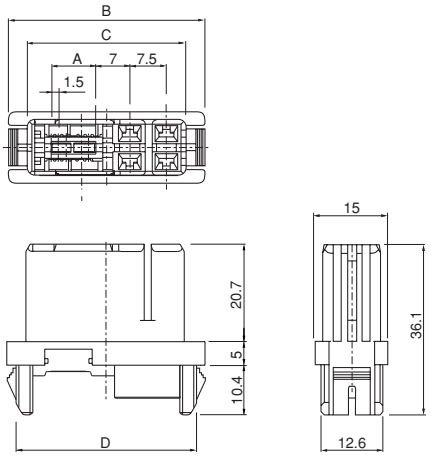


No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	
2	39	**39R-RWZV-K2GG-P2BM**	28.5	69.7	60.7	44.5	43.1	50.7	46.1	168
4	9	**09R-RWZV-K2GG-P4BM**	6.0	54.7	45.7	29.7	28.1	35.7	31.1	216
	21	**21R-RWZV-K2GG-P4BM**	15.0	63.7	54.7	38.5	37.1	44.7	40.1	192

Material and Finish
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment) Housing: PBT, UL94V-0, black Washer: Copper alloy, nickel-plated Floating rivet: Copper alloy, nickel-plated

RoHS compliance *This product displays (LF)(SN) B on a label.*

Panel lock/
Hybrid type (Connector with integrated signal and power)

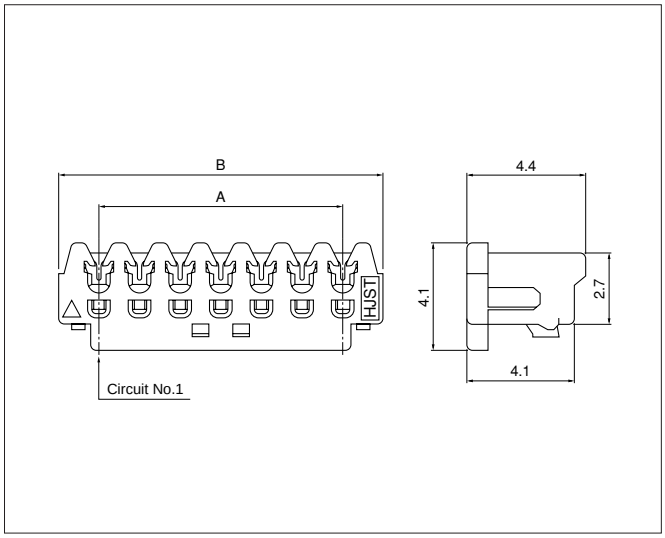


No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F		
								t=1.2	t=1.6,2.0	
4	13	**13R-RWZV-K2GG-P4RL**	9.0	40.3	32.5	36.5	36.7	37.2	37.5	264

Material and Finish
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment) Housing: PBT, UL94V-0, black

RoHS compliance *This product displays (LF)(SN) on a label.*

CZ connector socket



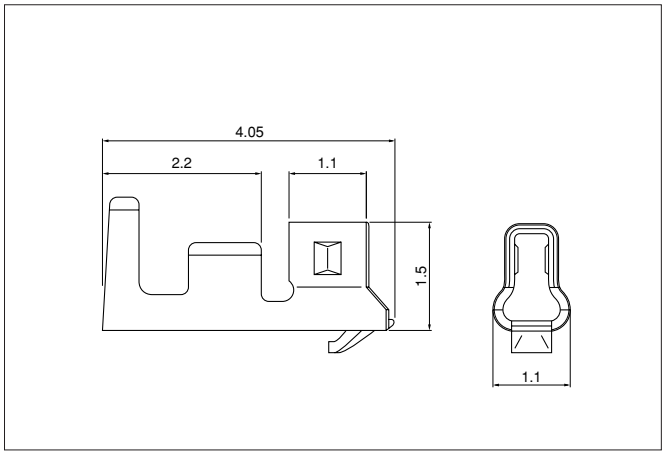
No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	Gray	Yellow	A	B	
4	**04CZ-6H**	**04CZ-6Y**	4.5	7.5	2,000
5	**05CZ-6H**	**05CZ-6Y**	6.0	9.0	2,000
6	**06CZ-6H**	**06CZ-6Y**	7.5	10.5	2,000
7	**07CZ-6H**	**07CZ-6Y**	9.0	12.0	2,000
9	**09CZ-6H**	**09CZ-6Y**	12.0	15.0	1,000
10	**10CZ-6H**	**10CZ-6Y**	13.5	16.5	1,000
11	**11CZ-6H**	**11CZ-6Y**	15.0	18.0	1,000
12	**12CZ-6H**	**12CZ-6Y**	16.5	19.5	1,000
13	**13CZ-6H**	**13CZ-6Y**	18.0	21.0	1,000
15	**15CZ-6H**	**15CZ-6Y**	21.0	24.0	1,000
16	**16CZ-6H**	**16CZ-6Y**	22.5	25.5	1,000
17	**17CZ-6H**	**17CZ-6Y**	24.0	27.0	1,000
19	**19CZ-6H**	**19CZ-6Y**	27.0	30.0	1,000
20	**20CZ-6H**	**20CZ-6Y**	28.5	31.5	1,000

Material and Finish

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

RoHS compliance

CZH connector contact



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

Material and Finish

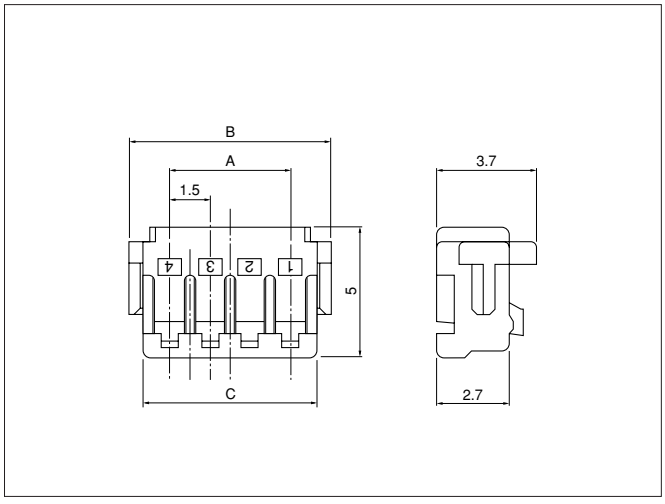
Copper alloy, tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SCZH-002T-P0.5	AP-K2N	MKS-L	MK/SCZH-002-05	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	C	
4	**CZHR-04V-S**	4.5	7.5	6.5	1,000
5	**CZHR-05V-S**	6.0	9.0	8.0	1,000
6	**CZHR-06V-S**	7.5	10.5	9.5	1,000
7	**CZHR-07V-S**	9.0	12.0	11.0	1,000
9	**CZHR-09V-S**	12.0	15.0	14.0	1,000
10	**CZHR-10V-S**	13.5	16.5	15.5	1,000
11	**CZHR-11V-S**	15.0	18.0	17.0	1,000
12	**CZHR-12V-S**	16.5	19.5	18.5	1,000
13	**CZHR-13V-S**	18.0	21.0	20.0	1,000
15	**CZHR-15V-S**	21.0	24.0	23.0	1,000
16	**CZHR-16V-S**	22.5	25.5	24.5	1,000
17	**CZHR-17V-S**	24.0	27.0	26.0	1,000
19	**CZHR-19V-S**	27.0	30.0	29.0	1,000
20	**CZHR-20V-S**	28.5	31.5	30.5	1,000

Material

PBT, UL94V-0, natural (white)

RoHS compliance