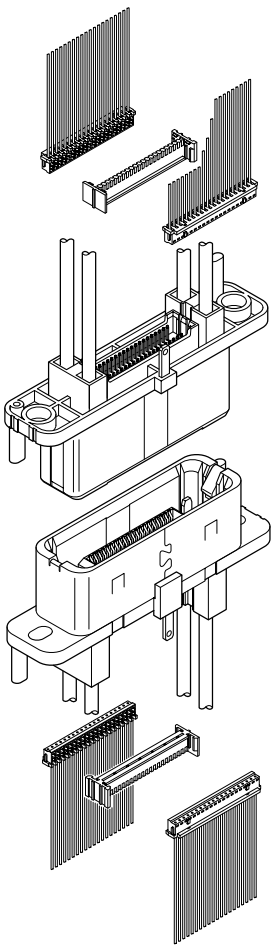
RPZ CONNECTOR

Power supply circuit and signal circuit integrated hybrid type drawer connector.



Features

• Durability

The contacts are bellows type, thus the connector is guaranteed for 20,000 mating cycles.

• ESD shielding

Both plug and receptacle have the ESD shielding shell.

• Grounding device

For the grounding purpose, #110 tab is equipped with this connector.

Specifications

- Current rating: Signal circuit 1.0A AC, DC (AWG #26)
  Power supply circuit 15A AC, DC (AWG #14)
  Tab 10A AC, DC (PS connector AWG #16)
- 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/10m Ω max.
  After environmental testing/20m Ω max.
- Insulation resistance: 500M Ω min.
- Withstanding voltage: Power-Signal 3,000V AC/minute
  Power-Grounding 1,500V AC/minute
  Power-Shell 1,500V AC/minute
- Applicable wire: Conductor Power supply circuit AWG #24 to #14
  Tab(PS connector) AWG #24 to #16
  Insulation O.D. Power supply circuit 1.4 to 3.6mm
  Tab(PS connector)1.0 to 3.4mm

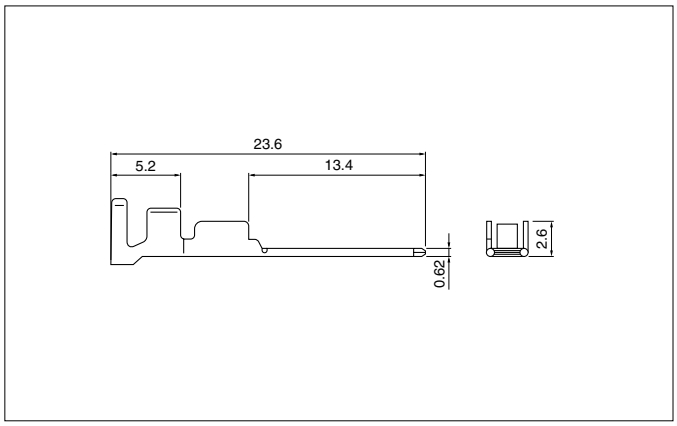
* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E 60389

Certified LR 20812

Power supply circuit contact plug

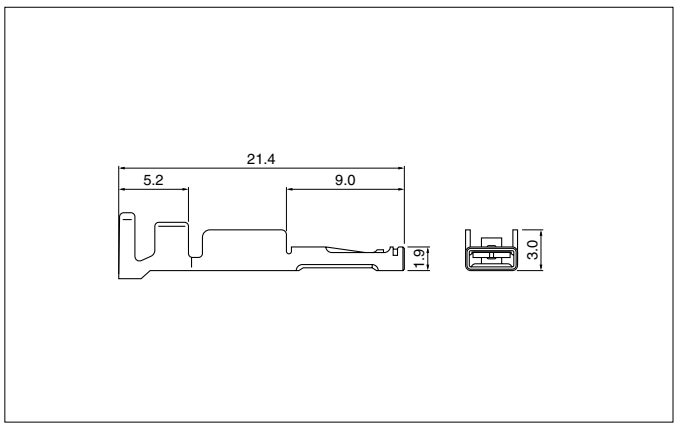


Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. (mm)	
SRPM-61GG-P0.6	0.75 to 2.0	18 to 14	2.0 to 3.6	3,000
SRPM-01GG-P0.6	0.2 to 0.5	24 to 20	1.4 to 1.9	4,000

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

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

Power supply circuit contact receptacle

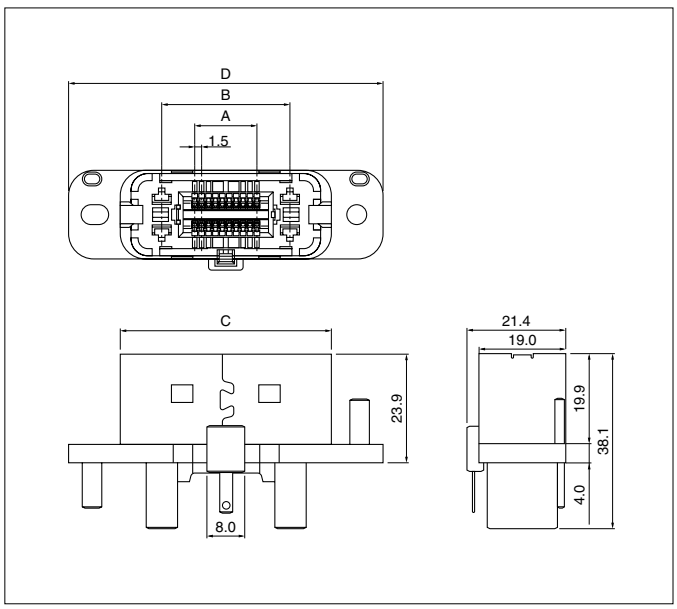


Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. (mm)	
SRPF-61GG-P0.6	0.75 to 2.0	18 to 14	2.0 to 3.6	3,000
SRPF-01GG-P0.6	0.2 to 0.5	24 to 20	1.4 to 1.9	4,000

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

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

Plug



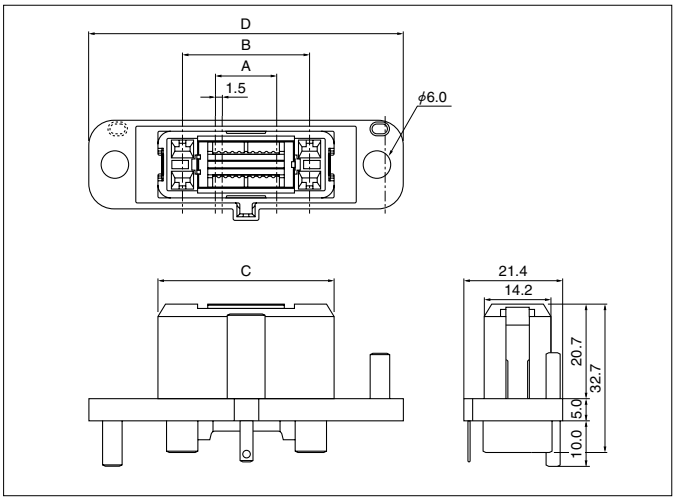
Circuits	Model No.	Dimensions (mm)							Q'ty/ box
		A	B	C	D	E	F	G	
20	**20P-RPZV-K4GG**	13.5	27.5	45.6	67.5	35.1	56.5	46.6	120
24	**24P-RPZV-K4GG**	16.5	30.5	48.6	70.5	38.1	59.5	49.6	120
26	**26P-RPZV-K4GG**	18.0	32.0	50.1	72.0	39.6	61.0	51.1	120
32	**32P-RPZV-K4GG**	22.5	36.5	54.6	76.5	44.1	65.5	55.6	120
40	**40P-RPZV-K4GG**	28.5	42.5	60.6	82.5	50.1	71.5	61.6	120

Material and Finish
Contact: Copper alloy, nickel-undercoated, selective gold- plated, tin-plated (rerflow treatment) Housing: PBT, UL94V-0 Solder tab: Copper alloy, nickel-plated Shell: Copper alloy, nickel-plated

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

RPZ CONNECTOR

Receptacle

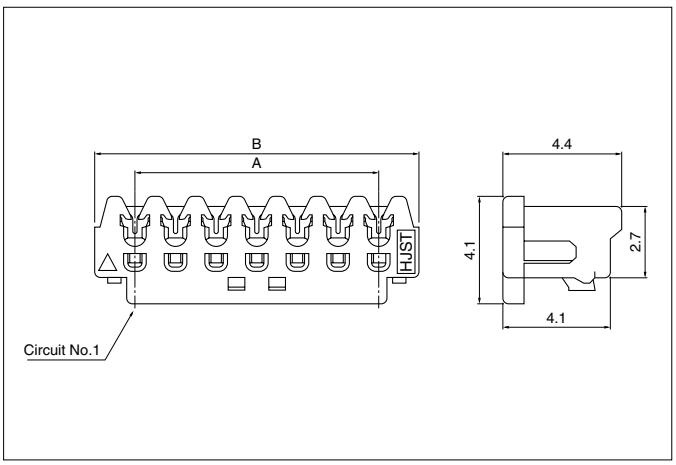


Circuits	Model No.	Dimensions (mm)							Q'ty/ box
		A	B	C	D	E	F	G	
20	**20R-RPZV-K2GG**	13.5	27.5	37.5	69.5	49.6	58.5	40.5	120
24	**24R-RPZV-K2GG**	16.5	30.5	40.5	72.5	52.6	61.5	43.5	120
26	**26R-RPZV-K2GG**	18.0	32.0	42.0	74.0	54.1	63.0	45.0	120
32	**32R-RPZV-K2GG**	22.5	36.5	46.5	78.5	58.6	67.5	49.5	120
40	**40R-RPZV-K2GG**	28.5	42.5	52.5	84.5	64.6	73.5	55.5	120

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

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

CZ connector socket

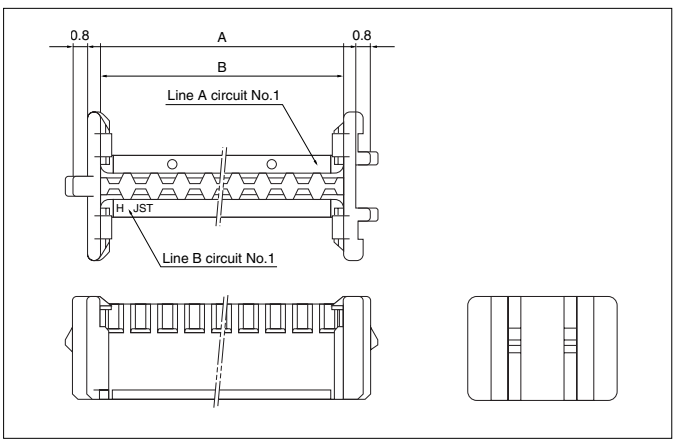


Circuits	Model No.		Dimensions (mm)		Q'ty / box
	Gray	Yellow	A	B	
10	**10CZ-6H**	**10CZ-6Y**	13.5	16.5	1,000
12	**12CZ-6H**	**12CZ-6Y**	16.5	19.5	1,000
13	**13CZ-6H**	**13CZ-6Y**	18.0	21.0	1,000
16	**16CZ-6H**	**16CZ-6Y**	22.5	25.5	1,000
20	**20CZ-6H**	**20CZ-6Y**	28.5	31.5	1,000

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

RoHS compliance

CZW connector socket holder



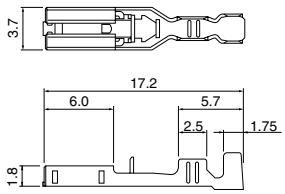
Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
20	**CZWH-20-S**	17.9	16.5	1,000
24	**CZWH-24-S**	20.9	19.5	1,000
26	**CZWH-26-S**	22.4	21.0	1,000
32	**CZWH-32-S**	26.9	25.5	1,000
40	**CZWH-40-S**	32.9	31.5	1,000

Material
PBT, UL94V-0

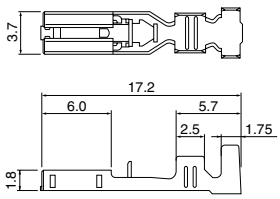
RoHS compliance

PS contact

SPS-01T-110



SPS-41T-110

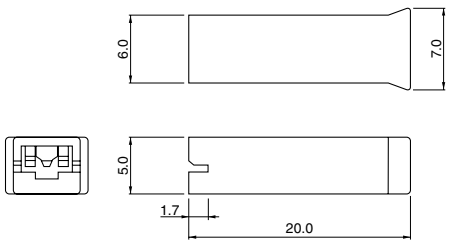


Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. (mm)	
SPS-01T-110	0.21 to 0.5	24 to 20	1.0 to 2.5	10,000
SPS-41T-110	0.5 to 1.25	20 to 16	1.9 to 3.4	10,000

Material and Finish
Brass, tin-plated (reflow treatment)

RoHS compliance

PS housing

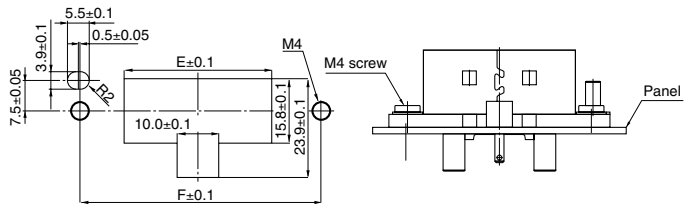


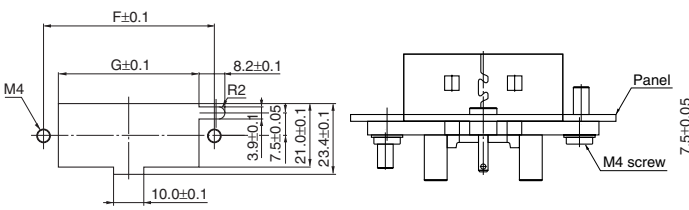
Model No.	Material	Q'ty / bag
PS-110	PA 66, UL94V-0, natural (white)	1,000

RoHS compliance

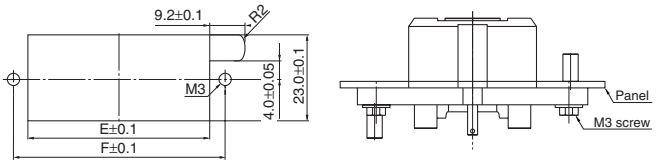
Panel layout

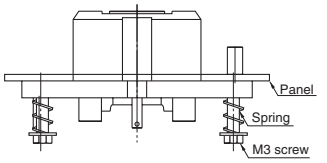
Plug

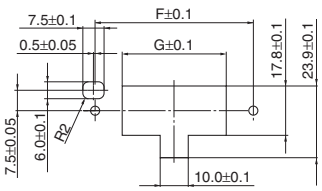


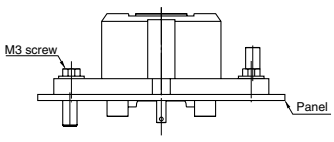


Receptacle



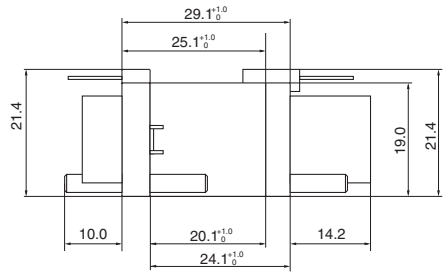






Note: 1. Reference layout when misalignment of the mating axis is to be absorbed.
2. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
3. The strength of the panel must be considered when punching two or more holes.
4. The connector must be inserted from the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

Assembly layout



Crimping machine, Applicator

Contact	Crimping machine	Crimp applicator	Dies	Crimp applicator with dies
SPS-01T-110	AP-K2N	MKS-L-SPS	MK/SPS-01-110	APLMK SPS01-110
SPS-41T-110		MKS-L-SPS	MK/SPS-41-110	APLMK SPS41-110
SRPM-01GG-P0.6		MKS-L	MK/SRPF/M-01-06	APLMK SRPF/M01-06
SRPM-61GG-P0.6		MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06
SRPF-01GG-P0.6		MKS-L	MK/SRPF/M-01-06	APLMK SRPF/M01-06
SRPF-61GG-P0.6		MKS-L	MK/SRPF/M-61-06	APLMK SRPF/M61-06