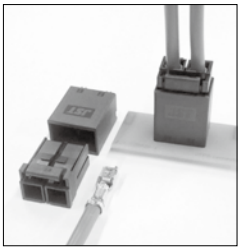
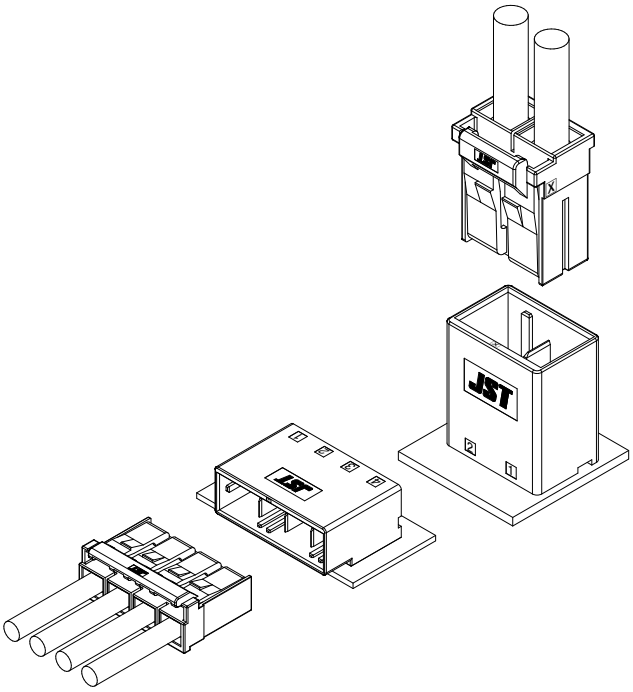


JFPS CONNECTOR

8.8 mm pitch/Wire-to-Board connectors/Crimp style and Mating style



Small type connector for large current. This connector corresponds the rated current of 35 A at 2 circuits and is board-to-wire connector.

- **Compact and space saving design**
- **Mis-mating prevention key**
- **Secure lock mechanism**

■ Specifications

・Current rating: AC/DC

Currtent unit: A

No. of circuits	Wire size (AWG)			
	#10	#12	#14	#16
1	35	28	21	17
2	35	28	21	17
3	30	20	19	16
4	28	20	18	15

・Voltage rating: 600 VAC/DC
・Temperature range: -40℃～+ 105℃
(including temperature rise in applying electrical current)
・Contact resistance: Initial value/ 2 mΩ max.
After environmental tests/ 2 mΩ max.
・Insulation resistance: 1,000 MΩ min.
・Withstanding voltage: 2,200 VAC/minute
・Applicable wire range: AWG #16 to #10

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

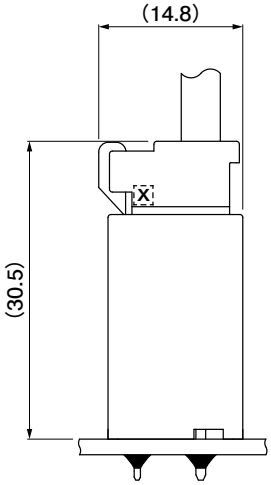
■ Standards

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).

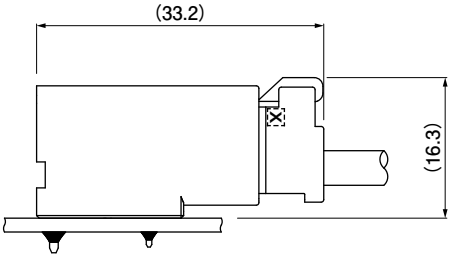
* Specifications registered to overseas standards may differ from the general specifications listed above.

Assembly layout

● Header (Top entry type)

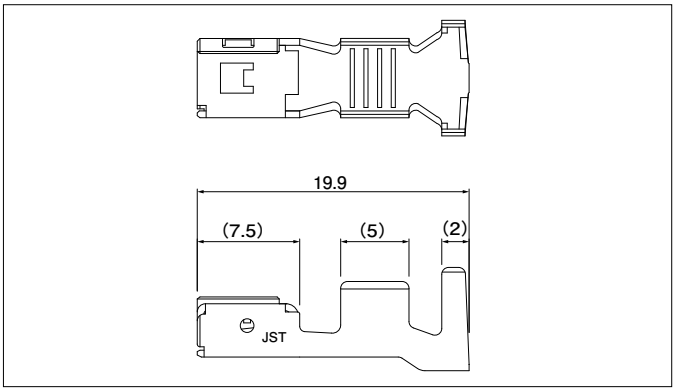


● Header (Side entry type)



JFPS CONNECTOR

Receptacle contact



Strip contact Model No.	Plating	Applicable wire range			Insulation O.D (mm)	Q'ty/ reel
		Size	mm²	AWG#		
SJFPS-71GG-M1.0	Gold	M	1.25 to 2.0	16 to 14	3.1 to 4.0	1,500
SJFPS-81GG-M1.0	Gold	L	3.5 to 5.5	12 to 10	4.0 to 5.3	1,500
SJFPS-81T-M1.0	Tin					

Material and Surface finish, etc.
Copper alloy, nickel-undercoated, selective gold-plated tin-plated (reflow treatment)

RoHS2 compliance

Note: Specifications registered to overseas standards may differ from the general specifications listed above.

Crimping machine, Applicator

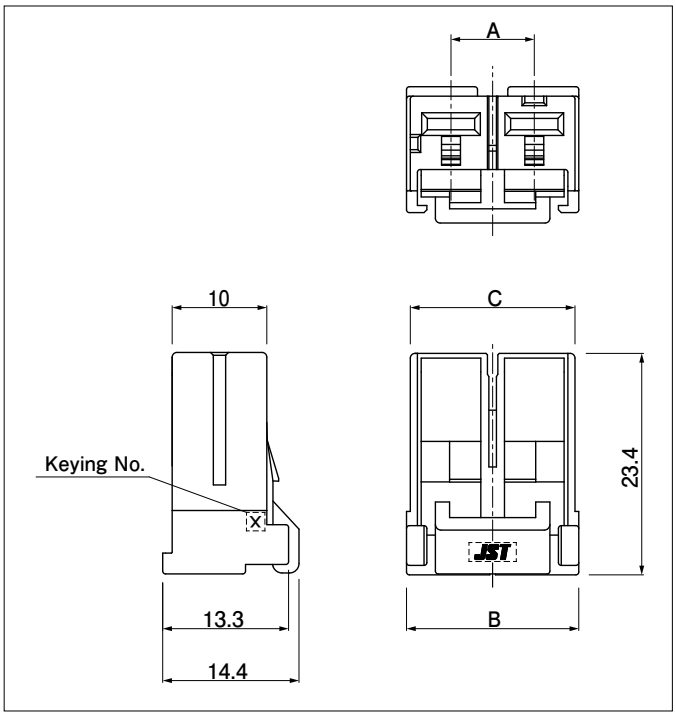
Strip contact Model No	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SJFPS-71GG-M1.0	AP-K2N	MKS-L-SIN3	MK/SJFPS-71-10	APLMK SJFPS71-10
SJFPS-81(*)-M1.0			MK/SJFPS-81-10	APLMK SJFPS81-10

Note: 1. Surface finish (*) : GG・・・Nickel-undercoated, selective gold-plated
T・・・Tin-plated (reflow treatment)

2. Contact JST for fully automatic crimping applicator.

●Extraction tool for JFPS connector : EJ-JFPSR

Receptacle housing



No. of circuits	Keying	Model No.	Dimensions			Q'ty/ bag
			A	B	C	
1	X	JFPSRS-01WGT-EX	—	9.4	8.6	400
	Y	JFPSRS-01WGT-KY	—	9.4	8.6	400
	Z	JFPSRS-01WGT-MZ	—	9.4	8.6	400
2	X	JFPSRS-02V-EX	8.8	18.2	17.4	200
	Y	JFPSRS-02V-KY	8.8	18.2	17.4	200
3	X	JFPSRS-03V-EX	17.6	27.0	26.2	125
	Y	JFPSRS-03V-KY	17.6	27.0	26.2	125
4	X	JFPSRS-04V-EX	26.4	35.8	35.0	100
	Y	JFPSRS-04V-KY	26.4	35.8	35.0	100

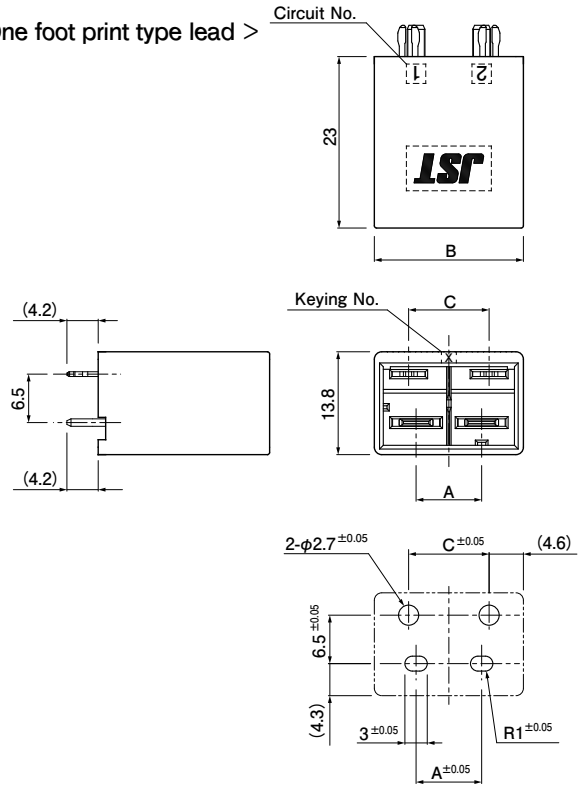
Material and Surface finish, etc.
Single-circuit: PA 66 (Glass-filled) 2-, 3-, 4-circuit: PBT (Glass-filled)

RoHS2 compliance

Note: 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).

Header (Top entry type)

< One foot print type lead >



PC board layout
Connector mounting side

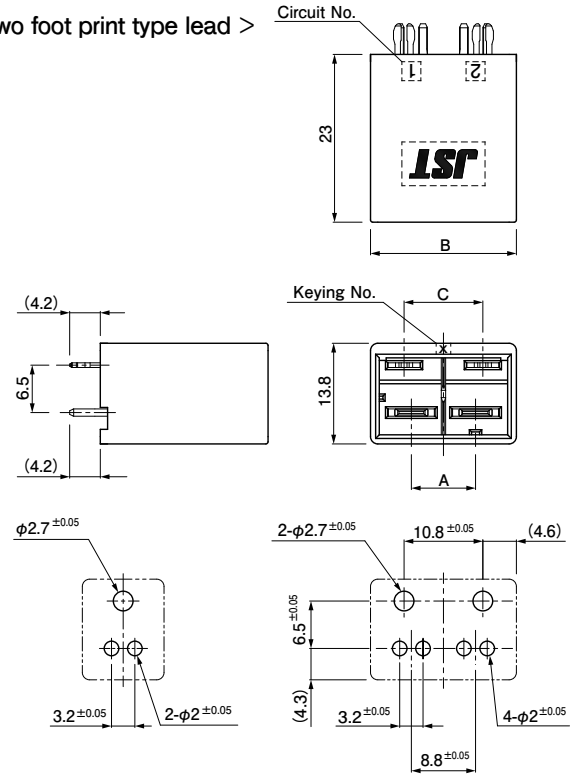
No. of circuits	Plating	Keying	Model No.	Dimensions (mm) A	B	C	Q'ty/box
2	Gold	X	BC02B-JFPSE-GHXS	8.8	20.0	10.8	132
		Y	BC02B-JFPSK-GHYS	8.8	20.0	10.8	132
	Tin	X	BC02B-JFPSE-TXS	8.8	20.0	10.8	132
		Y	BC02B-JFPSK-TYS	8.8	20.0	10.8	132
3	Gold	X	BC03B-JFPSE-GHXS	17.6	28.8	19.6	84
		Y	BC03B-JFPSK-GHYS	17.6	28.8	19.6	84
	Tin	X	BC03B-JFPSE-TXS	17.6	28.8	19.6	84
		Y	BC03B-JFPSK-TYS	17.6	28.8	19.6	84
4	Gold	X	BC04B-JFPSE-GHXS	26.4	37.6	28.4	60
		Y	BC04B-JFPSK-GHYS	26.4	37.6	28.4	60

Material and Surface finish, etc.

Contact: Copper alloy, nickel-undercoated, gold-plated
copper-undercoated, tin-plated (reflow treatment)
Housing: PA 66 (Glass-filled)
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance
Note: 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).

< Two foot print type lead >



PC board layout
Connector mounting side
Single-circuit

PC board layout
Connector mounting side
2-circuit

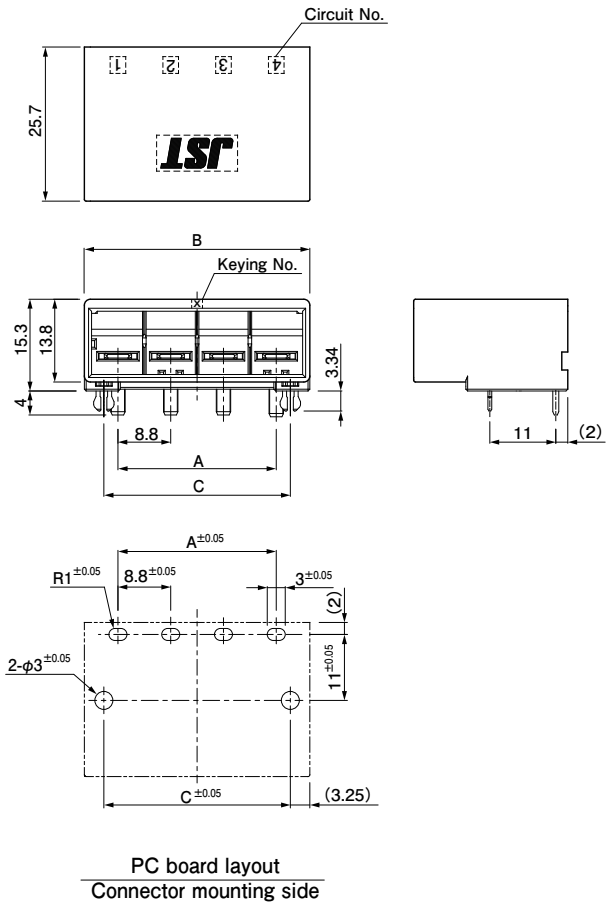
No. of circuits	Plating	Keying	Model No.	Dimensions (mm) A	B	C	Q'ty/box
1	Tin	X	BC01B-JFPSE-TX	—	11.2	—	228
		Y	BC01B-JFPSK-TY	—	11.2	—	228
		Z	BC01B-JFPSM-TZ	—	11.2	—	228
2	Tin	X	BC02B-JFPSE-TX	8.8	20.0	10.8	132
		Y	BC02B-JFPSK-TY	8.8	20.0	10.8	132

Material and Surface finish, etc.

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Housing: PA 66 (Glass-filled)
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance
Note: 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).

Header (Side entry type)



PC board layout
Connector mounting side

No. of circuits	Plating	Keying	Model No.	Dimensions (mm)			Q'ty/ box
				A	B	C	
4	Gold	X	SC04B-JFPSE-GHXS	26.4	37.6	31.1	48
		Y	SC04B-JFPSK-GHYS	26.4	37.6	31.1	48

Material and Finish

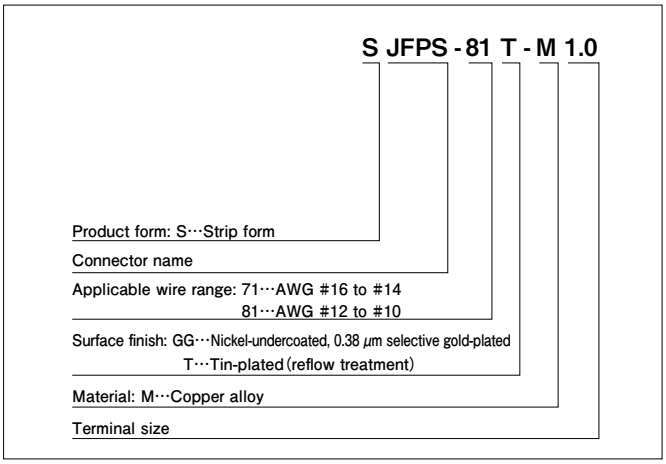
Contact: Copper alloy, nickel-undercoated, gold-plated
Housing: PA 66 (Glass-filled)
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance

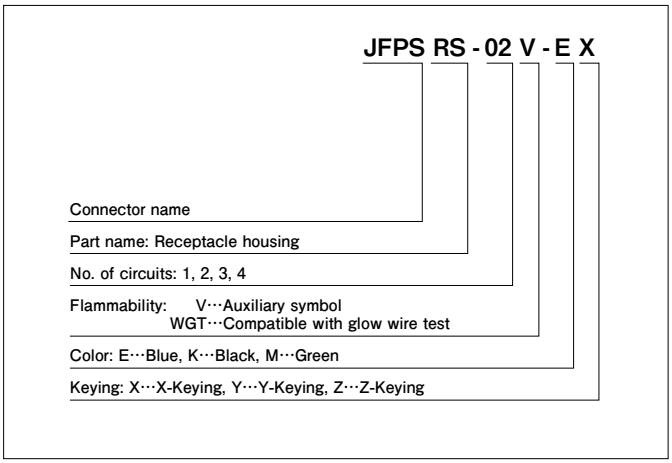
Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Model number allocation

Receptacle contact



Receptacle housing



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