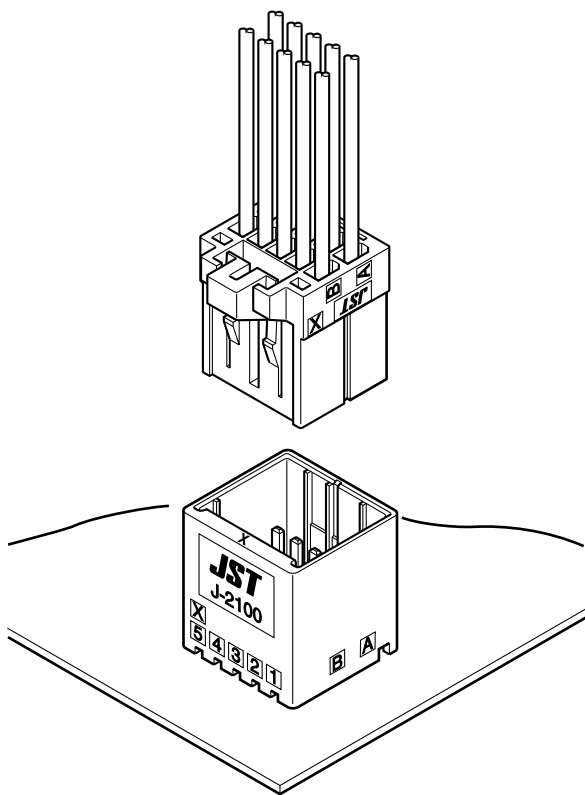


JFA CONNECTOR J2000 SERIES

2.5/3.5 mm pitch/Disconnectable crimp style connectors (Wire-to-board/Wire-to-wire)



Connectors for miniaturization of electronic equipment.

Center locking and side locking options can be used depending on the required application.

Receptacle and tab contacts are designed to be common with all JFA connector J2000 series.

- Dual-spring construction
- 2 kinds of locking method
- Housing lance
- Clear “click feeling”

■ Standards

TM : Recognized E 60389

△ : J50209682

■ Specifications

- Current rating: AC/DC

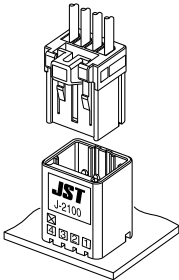
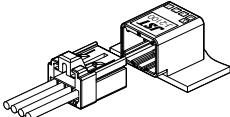
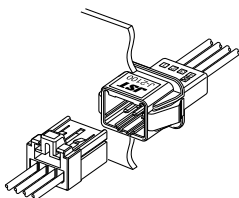
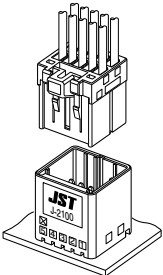
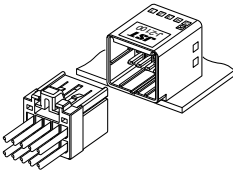
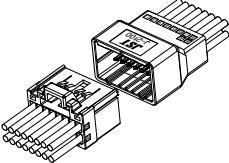
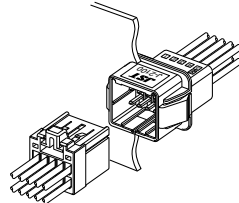
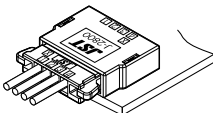
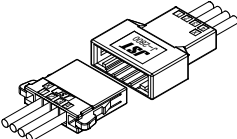
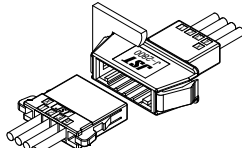
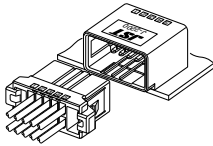
Current unit: A

No. of circuits	Wire size (AWG)				
	#20	#22	#24	#26	#28
3	4.6	4.4	3.4	3.0	2.4
4	4.5	4.3	3.2	2.8	2.3
6	4.3	4.1	2.8	2.6	2.1
8	4.1	3.6	2.6	2.3	1.9
10	3.9	3.4	2.5	2.2	1.8
12	3.6	3.1	2.4	2.0	1.6
16	3.2	2.8	2.2	1.8	1.4
20	2.9	2.5	2.1	1.7	1.3
30	2.8	2.4	2.0	1.6	1.2
40	2.7	2.3	1.9	1.5	1.1

- Voltage rating: 125 V AC/DC... J2300 Series
250 V AC/DC... J2100, J2200, J2400, J2500, J2800 Series
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire: AWG #28 to #20
- Applicable PC board thickness: 1.6 mm
- * Please note that the above general specifications may differ from the safety standards.
- * Refer to each page for the specifications of the Common, Sensor type (J2300) and Common type (J2500).
- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

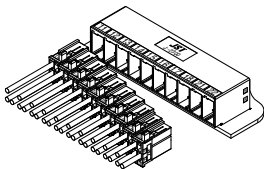
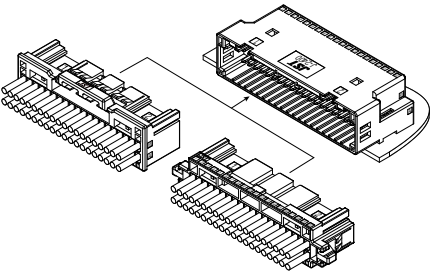
JFA CONNECTOR / J2000 SERIES

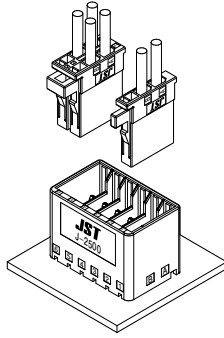
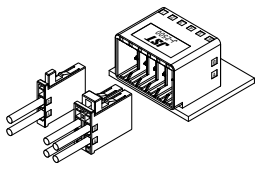
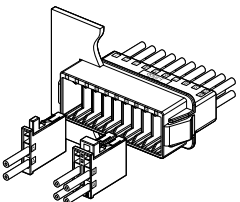
J2000 Series products line-up

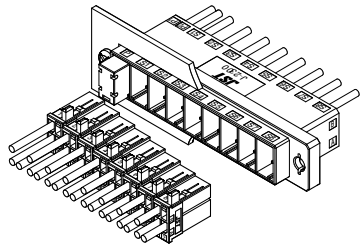
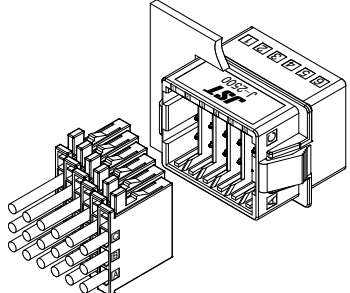
Type		2.5 mm pitch 250 V AC/DC			
		Wire-to-board		Wire-to-wire	
		Top entry type	Side entry type	Free hanging type	Panel mounting type
Center locking type	J2100 Single-row type				
	No. of circuits	3, 4	3, 4		3, 4
	J2100 Dual-row type				
	No. of circuits	6, 8, 10, 12, 16, 20	6, 8, 10, 12, 16, 20	16	6, 8, 10, 12, 16, 20
Side locking type (Thin type)	J2800 Single-row type				
	No. of circuits		4	4	4
Side locking type	J2200 Dual-row type				
	No. of circuits		10		

JFA CONNECTOR / J2000 SERIES

J2000 Series products line-up

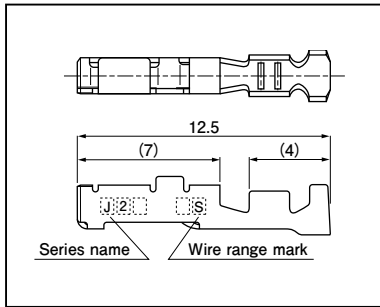
2.5 mm pitch 125 V AC/DC			2.5 mm pitch 250 V AC/DC		
Type		Wire-to-board Side entry type	Type		Wire-to-board Side entry type
Module type	J2300 Dual-row type		Hybrid type	J2400 Dual-row type	
	No. of circuits	30		No. of circuits	40

3.5 mm pitch 250 V AC/DC					
Type		Wire-to-board		Wire-to-wire	
		Top entry type	Side entry type	Free hanging type	Panel mounting type
Module type	J2500 Dual-row type				
	No. of circuits	12, 20	12, 20		12, 20

2.5 mm pitch 125 V AC/DC			3.5 mm pitch 250 V AC/DC		
Type		Panel mounting Screw type	Type		Panel mounting type
Common, Sensor type	J2300 Dual-row type		Common type	J2500 Triple-row type	
	No. of circuits	Power Input: 2 Power Output: 16 (Common output) Sensor Input/Output: 8		No. of circuits	18

JFA CONNECTOR / J2000 SERIES

Receptacle contact



Model No.		Applicable wire			Insulation O.D. (mm)	Q'ty	
Strip contact	Loose piece	Wire range mark	mm ²	AWG#		Reel	Box (Loose piece)
SJ2F-002(*)-P1.0	—	S	0.08~0.20	28~24	0.88~1.43	6,000	—
SJ2F-01(*)-P1.0	—	M	0.20~0.50	24~20	1.11~1.53	6,000	—
SJ2F-21(*)-P1.0	BJ2F-21(*)-P1.0	L	0.30~0.75	22~20	1.30~1.90	5,000	2,000

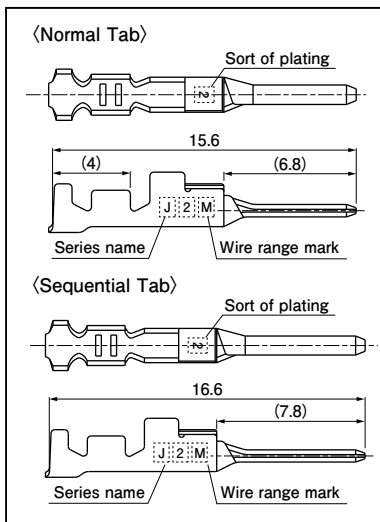
Material and Finish

Copper alloy (superior conductivity), nickel-undercoated, selective gold-plated

RoHS2 compliance

Note: 1. Surface finish (*) : GF...Nickel-undercoated, 0.38 μ m selective gold-plated
GI...Nickel-undercoated, 0.76 μ m selective gold-plated
2. Please note that the above general specifications may differ from the safety standards.

Tab contact



Model No.		Applicable wire			Insulation O.D. (mm)	Q'ty	
Strip contact	Loose piece	Wire range mark	mm ²	AWG#		Reel	Box (Loose piece)
Normal	SJ2M-002(*)-M1.0N	—	S	0.08~0.20	28~24	5,500	—
	SJ2M-01(*)-M1.0N	—	M	0.20~0.50	24~20	5,500	—
	SJ2M-21(*)-M1.0N	BJ2M-21(*)-M1.0N	L	0.30~0.75	22~20	5,000	2,000
Sequential	SJ2M-01(*)-M1.0S	—	M	0.20~0.50	24~20	5,500	—
	SJ2M-21(*)-M1.0S	BJ2M-21(*)-M1.0S	L	0.30~0.75	22~20	5,000	2,000

Material and Finish

Copper alloy (superior conductivity), nickel-undercoated, selective gold-plated

RoHS2 compliance

Note: 1. Surface finish (*) : GF...Nickel-undercoated, 0.38 μ m selective gold-plated
GI...Nickel-undercoated, 0.76 μ m selective gold-plated
2. Please note that the above general specifications may differ from the safety standards.

Crimping machine, Applicator

Strip contact Model No.	Crimping machine	Applicator			Hand tool
		Crimping machine	Dies	Crimp applicator with dies	
SJ2F-002(*)-P1.0 SJ2M-002(*)-M1.0N	AP-K2N	MKS-L	MK/SJ2F/M-002-10	APLMK SJ2F/M002-10	YRS-8851 YRK-8852
SJ2F-01(*)-P1.0 SJ2M-01(*)-M1.0N SJ2M-01(*)-M1.0S	AP-K2N	MKS-L	MK/SJ2F/M-01-10	APLMK SJ2F/M01-10	YRS-8861 YRK-8863
SJ2F-21(*)-P1.0 SJ2M-21(*)-M1.0N SJ2M-21(*)-M1.0S	AP-K2N	MKS-L	MK/SJ2F/M-21-10	APLMK SJ2F/M21-10	YRK-1120

Note: 1. Contact JST for fully automatic crimping applicator.

Loose piece contact	Hand tool
BJ2F-21(*)-P1.0 BJ2M-21(*)-M1.0N BJ2M-21(*)-M1.0S	YRF-1120

• For details on the YRK series of hand tools that use the strip contacts, refer to the list of "Crimping Machines and Tools" on our website (Technical documents of Product information page).

• Extraction tool for J2000 series : EJ-JFAJ2N

Note: 2. Surface finish (*) :

GF...Nickel-undercoated, 0.38 μ m selective gold-plated
GI...Nickel-undercoated, 0.76 μ m selective gold-plated

Recognition mark

• Plating of the contact

Each contact has a marking on its side or top side so that the type or thickness of the plating is recognized.

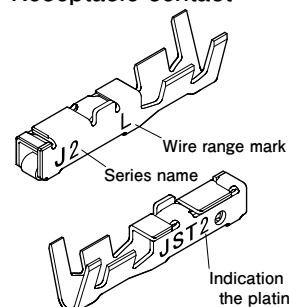
- 2 ... gold-plated 0.38 μ m thickness
- 3 ... gold-plated 0.76 μ m thickness

• Common marking on the contact and its application tools

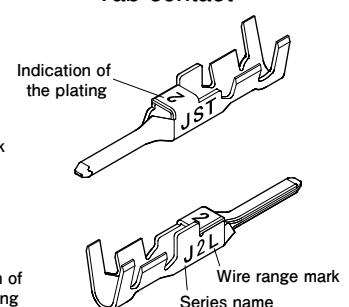
In order to avoid incorrect combination of the hand crimp tools or extraction tools and the contacts, the series name (for example J-2) and wire range mark (S, M, L) are shown on both the tools and the contacts.

J-2 S.....AWG #28 to #24
M.....AWG #24 to #20
L.....AWG #22 to #20

Receptacle contact



Tab contact



JFA CONNECTOR / J2000 SERIES

Keying plug

〈Normal product〉

*Cannot be used with a protector.

Model No.	Q'ty/box
J2KP-VY	500
Material and Finish	
Glass-filled PBT, UL94V-0, yellow	
RoHS2 compliance	

〈Protector compatible product〉

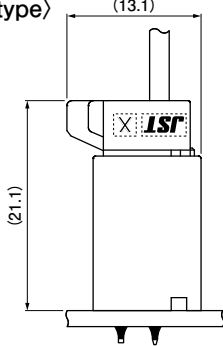
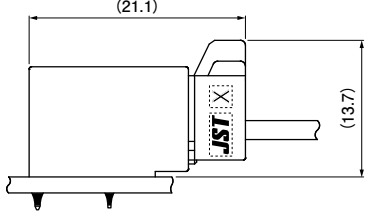
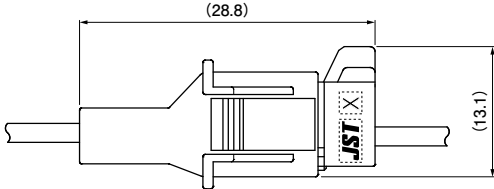
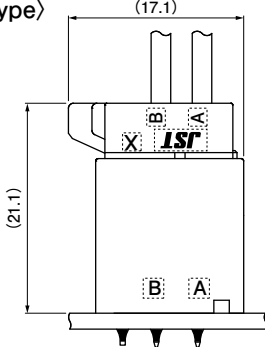
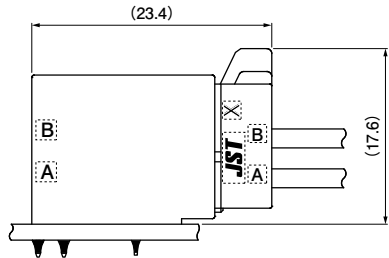
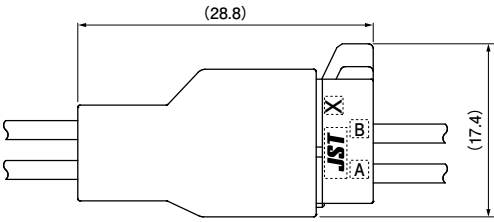
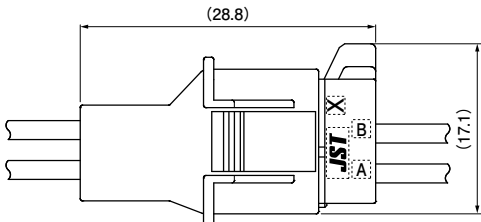
JST

Model No.	Q'ty/box
J2KP-VY-A	500
Material and Finish	
Glass-filled PBT, UL94V-0, yellow	
RoHS2 compliance Note: Unlisted in UL.	

Tab contact cutting jig

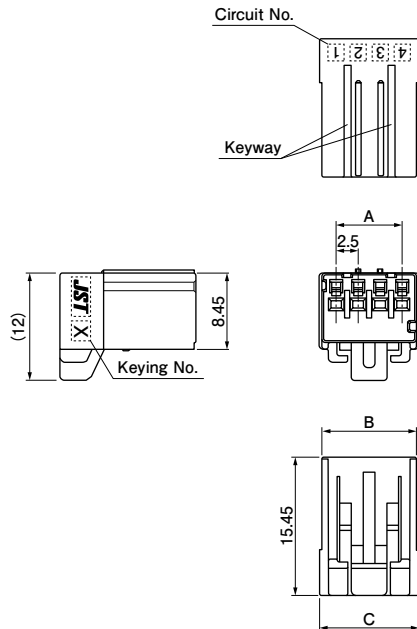
Model No.
CT-JFAJ2
Note: Unlisted in UL/TÜV.

Assembly layout

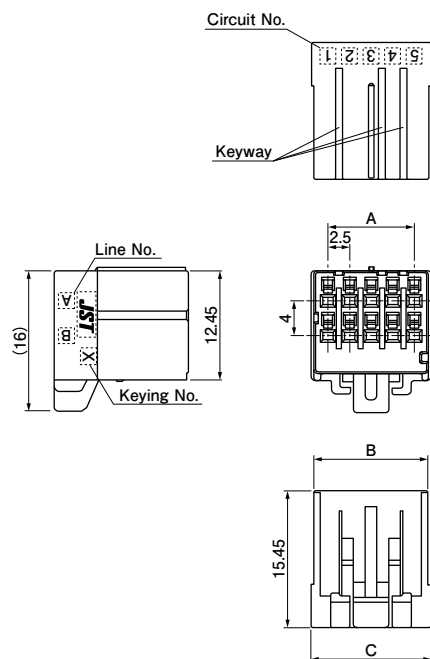
Single-row type	Wire-to-board	〈Top entry type〉 	〈Side entry type〉 
	Wire-to-wire	〈Panel mounting type〉 	
Dual-row type	Wire-to-board	〈Top entry type〉 	〈Side entry type〉 
	Wire-to-wire	〈Free hanging type〉 	〈Panel mounting type〉 

Receptacle housing (Long-key type)

〈Single-row type〉



〈Dual-row type〉



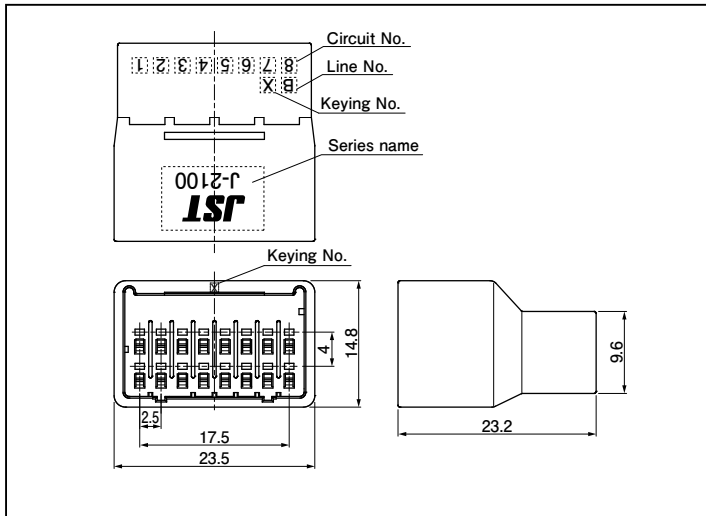
Type	No. of circuits	Keying	Model No.	Dimensions (mm)			Q'ty/bag
				A	B	C	
Single-row type	3	X	J21SF-03V-KX-L	5.0	8.3	8.9	400
		Y	J21SF-03V-KY-L	5.0	8.3	8.9	400
	4	X	J21SF-04V-KX-L	7.5	10.8	11.4	400
		Y	J21SF-04V-KY-L	7.5	10.8	11.4	400
Dual-row type	6	X	J21DF-06V-KX-L	5.0	8.3	8.9	300
		Y	J21DF-06V-KY-L	5.0	8.3	8.9	300
	8	X	J21DF-08V-KX-L	7.5	10.8	11.4	300
		Y	J21DF-08V-KY-L	7.5	10.8	11.4	300
	10	X	J21DF-10V-KX-L	10.0	13.3	13.9	200
		Y	J21DF-10V-KY-L	10.0	13.3	13.9	200
	12	X	J21DF-12V-KX-L	12.5	15.8	16.4	200
		Y	J21DF-12V-KY-L	12.5	15.8	16.4	200
	16	X	J21DF-16V-KX-L	17.5	20.8	21.4	200
		Y	J21DF-16V-KY-L	17.5	20.8	21.4	200
	20	X	J21DF-20V-KX-L	22.5	25.8	26.4	100
		Y	J21DF-20V-KY-L	22.5	25.8	26.4	100

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing (Free hanging type)



No. of circuits	Keying	Model No.	Q'ty/bag
16	X	J21DFM-16V-KX	-
	Y	J21DFM-16V-KY	-

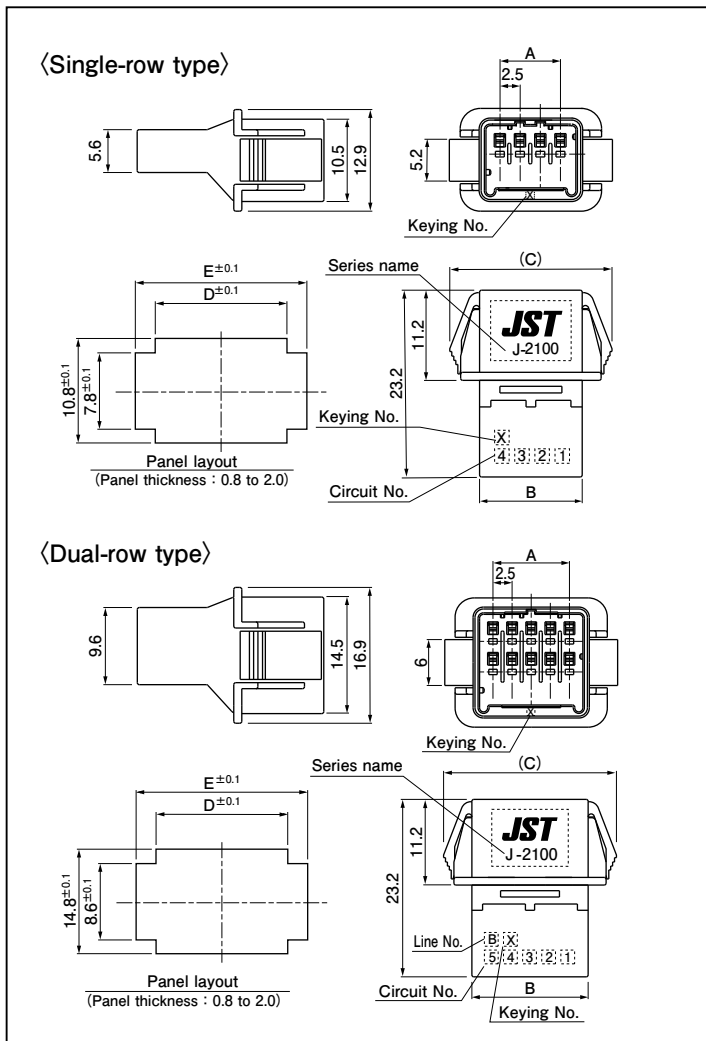
Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Note: Unlisted in UL.

Tab housing (Panel mounting type)



Type	No. of circuits	Keying	Model No.	Dimensions (mm)					Q'ty/bag
				A	B	C	D	E	
Single-row type	3	X	J21SPM-03V-KX	5.0	10.2	17.6	10.5	15.2	400
		Y	J21SPM-03V-KY	5.0	10.2	17.6	10.5	15.2	400
	4	X	J21SPM-04V-KX	7.5	12.7	20.1	13.0	17.7	400
		Y	J21SPM-04V-KY	7.5	12.7	20.1	13.0	17.7	400
Dual-row type	6	X	J21DPM-06V-KX	5.0	10.2	17.6	10.5	15.2	300
		Y	J21DPM-06V-KY	5.0	10.2	17.6	10.5	15.2	300
	8	X	J21DPM-08V-KX	7.5	12.7	20.1	13.0	17.7	200
		Y	J21DPM-08V-KY	7.5	12.7	20.1	13.0	17.7	200
	10	X	J21DPM-10V-KX	10.0	15.2	22.6	15.5	20.2	200
		Y	J21DPM-10V-KY	10.0	15.2	22.6	15.5	20.2	200
	12	X	J21DPM-12V-KX	12.5	17.7	25.1	18.0	22.2	200
		Y	J21DPM-12V-KY	12.5	17.7	25.1	18.0	22.2	200
	16	X	J21DPM-16V-KX	17.5	22.7	30.1	23.0	27.7	200
		Y	J21DPM-16V-KY	17.5	22.7	30.1	23.0	27.7	200
	20	X	J21DPM-20V-KX	22.5	27.7	35.1	28.0	32.7	150
		Y	J21DPM-20V-KY	22.5	27.7	35.1	28.0	32.7	150

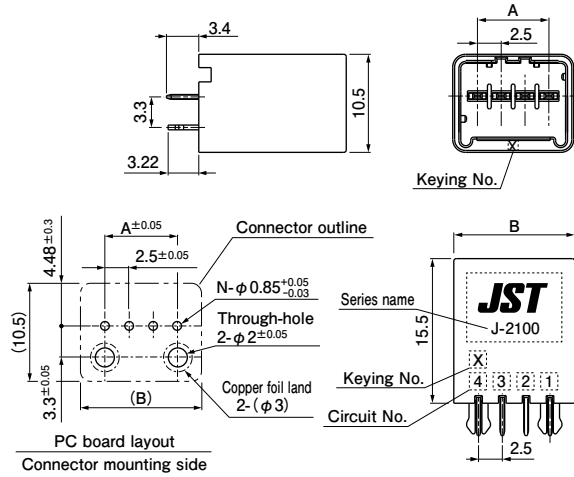
Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Header (Top entry type)

〈Single-row type〉



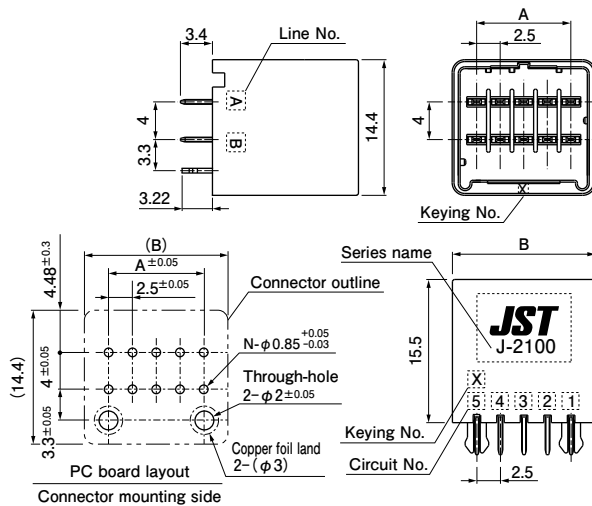
Type	No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
				A	B	
Single-row type	3	X	B03B-J21SK-GGXR	5.0	10.2	378
		Y	B03B-J21SK-GGYR	5.0	10.2	378
	4	X	B04B-J21SK-GGXR	7.5	12.7	306
		Y	B04B-J21SK-GGYR	7.5	12.7	306
Dual-row type	6	X	B06B-J21DK-GGXR	5.0	10.2	252
		Y	B06B-J21DK-GGYR	5.0	10.2	252
	8	X	B08B-J21DK-GGXR	7.5	12.7	204
		Y	B08B-J21DK-GGYR	7.5	12.7	204
	10	X	B10B-J21DK-GGXR	10.0	15.2	168
		Y	B10B-J21DK-GGYR	10.0	15.2	168
	12	X	B12B-J21DK-GGXR	12.5	17.7	144
		Y	B12B-J21DK-GGYR	12.5	17.7	144
	16	X	B16B-J21DK-GGXR	17.5	22.7	108
		Y	B16B-J21DK-GGYR	17.5	22.7	108
	20	X	B20B-J21DK-GGXR	22.5	27.7	84
		Y	B20B-J21DK-GGYR	22.5	27.7	84

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

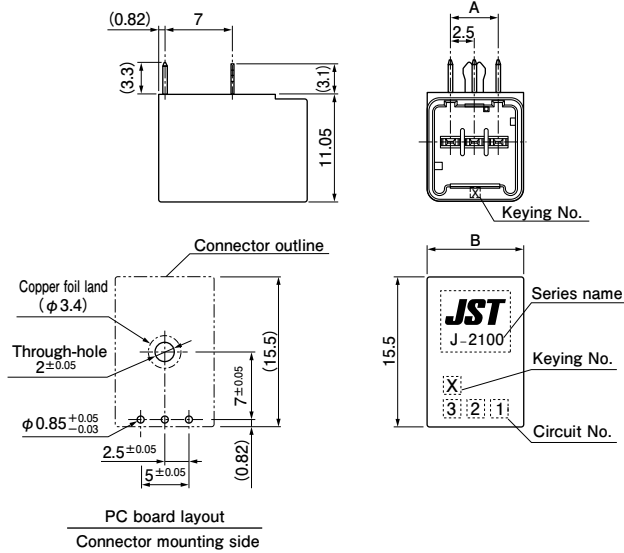
〈Dual-row type〉



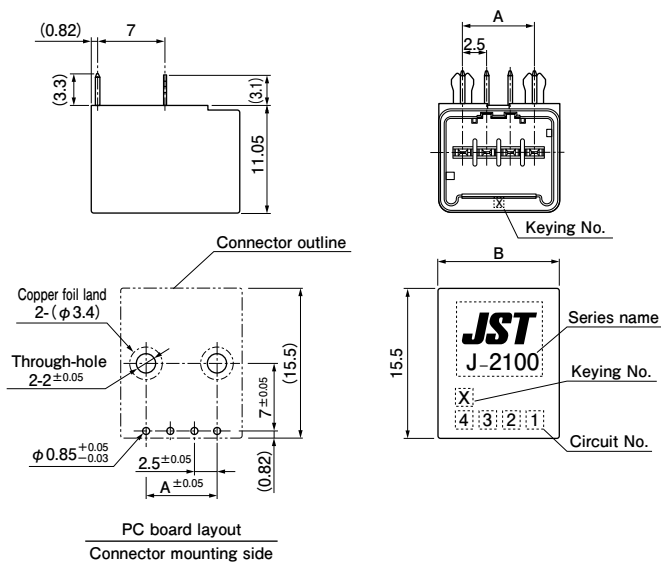
Header (Side entry type)

〈Single-row type〉

• 3 circuits



• 4 circuits



No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
3	X	S03B-J21SK-GGXR	5.0	10.2	294
	Y	S03B-J21SK-GGYR	5.0	10.2	294
4	X	S04B-J21SK-GGXR	7.5	12.7	238
	Y	S04B-J21SK-GGYR	7.5	12.7	238

Material and Finish

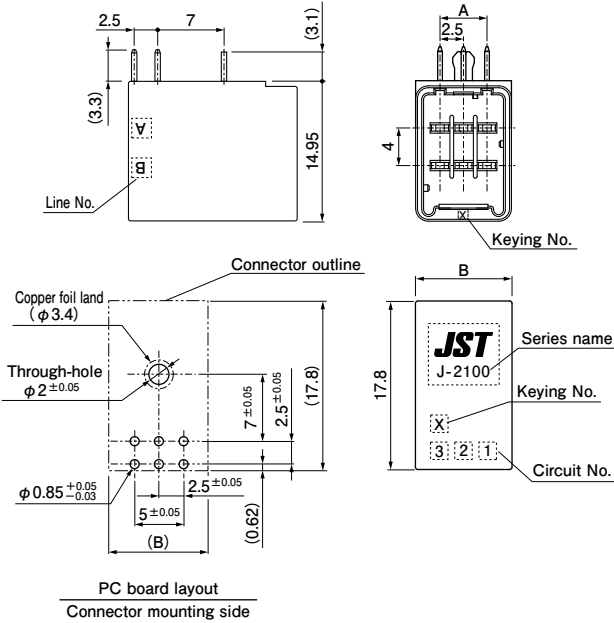
Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF) (AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

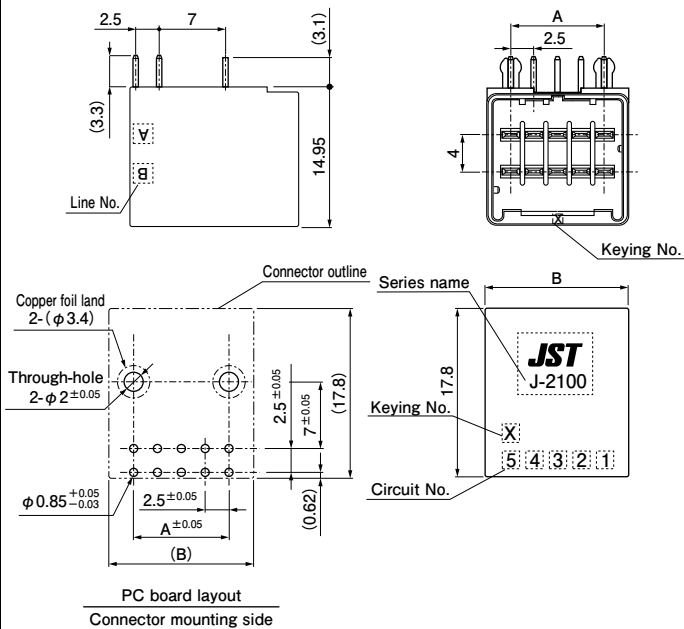
Header (Side entry type)

〈Dual-row type〉

• 6 circuits



• 8, 10, 12, 16, 20 circuits



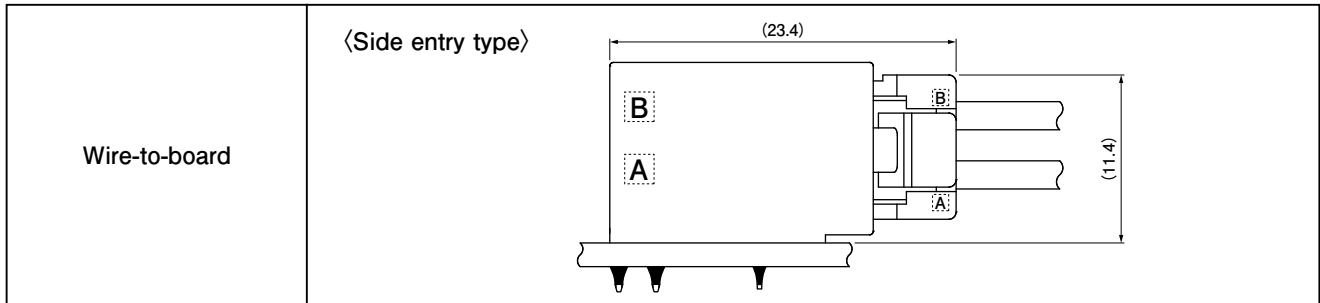
No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
6	X	S06B-J21DK-GGXR	5.0	10.2	252
	Y	S06B-J21DK-GGYR	5.0	10.2	252
8	X	S08B-J21DK-GGXR	7.5	12.7	204
	Y	S08B-J21DK-GGYR	7.5	12.7	204
10	X	S10B-J21DK-GGXR	10.0	15.2	168
	Y	S10B-J21DK-GGYR	10.0	15.2	168
12	X	S12B-J21DK-GGXR	12.5	17.7	144
	Y	S12B-J21DK-GGYR	12.5	17.7	144
16	X	S16B-J21DK-GGXR	17.5	22.7	108
	Y	S16B-J21DK-GGYR	17.5	22.7	108
20	X	S20B-J21DK-GGXR	22.5	27.7	84
	Y	S20B-J21DK-GGYR	22.5	27.7	84

Material and Finish

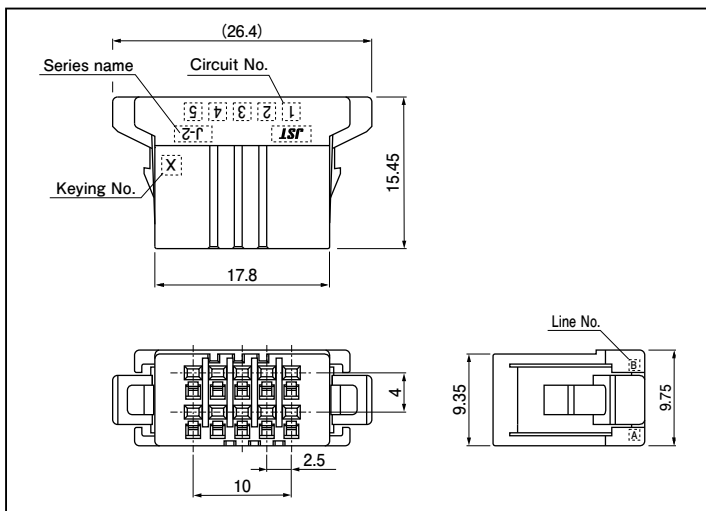
Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

Assembly layout



Receptacle housing



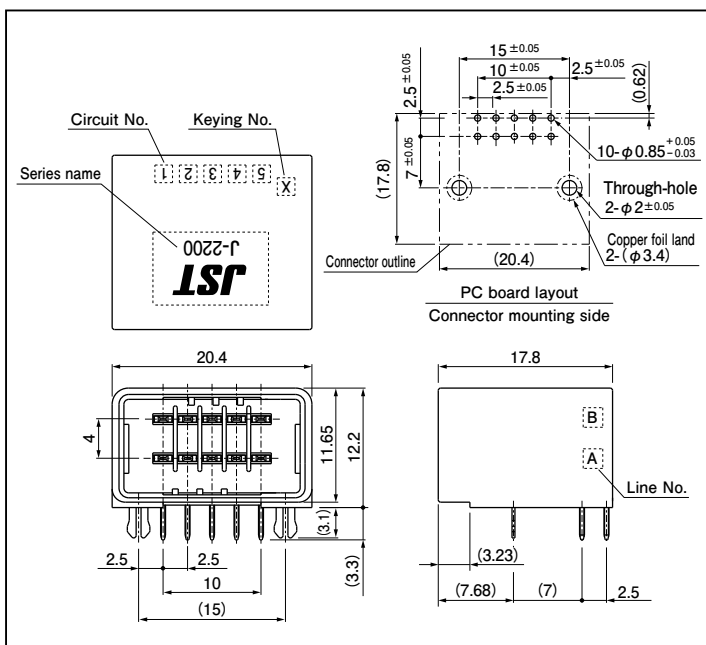
No. of circuits	Keying	Model No.	Q'ty/bag
10	X	J22DF-10V-KX	250
	Y	J22DF-10V-KY	250

Material and finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Header (Side entry type)



No. of circuits	Keying	Model No.	Q'ty/box
10	X	S10B-J22DK-GGXR	120
	Y	S10B-J22DK-GGYR	120

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

Wire-to-board	〈Side entry type〉 The diagram illustrates the side entry type connector. It shows a cross-section of the component with two pins on the left. The height of the pins is dimensioned as (14.3). The width of the component is dimensioned as (23.6). The component is labeled with 'B' and 'A' in dashed boxes, and the 'IST' logo is visible. The component is shown mounted on a board with two pins extending downwards.
---------------	---

Keying No.

11.14

15.45

9.94

JST

B

A

Line No.

5.9

4

(12.84)

2.5

Material and finish
Glass-filled PBT, UL94V-0, black

Header (Side entry type)

Figure 1: Dimensions of the connector. The figure consists of three views: a top view, a side view, and a detailed connector outline.

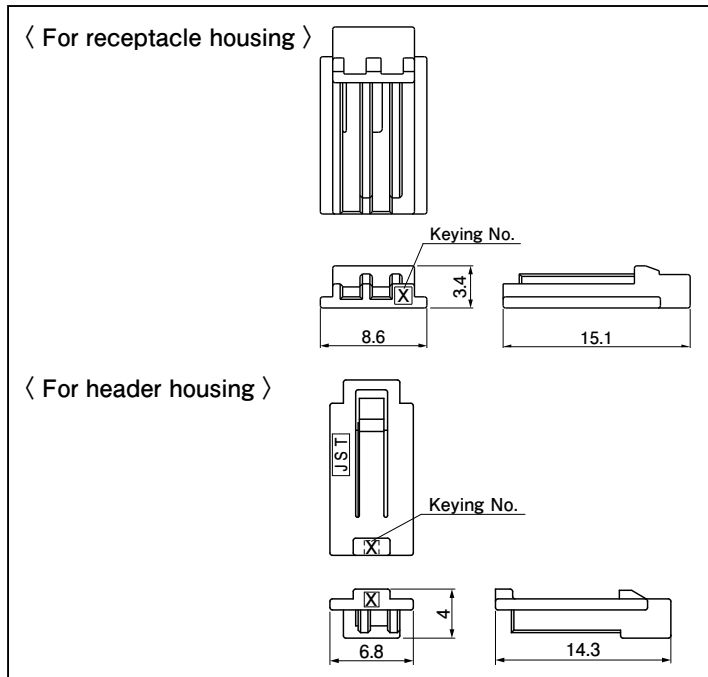
- Top View:** Shows a rectangular connector with a width of 18 mm and a length of 66.2 mm. It features a central 'JST J-2300' label and a 'Keying No.' field. The pins are numbered 1 to 22.
- Side View:** Shows a connector with a total length of 58.5 mm, a width of 13.8 mm, and a mounting height of 4 mm. It has 22 pins, with the first 12 pins on one side and the remaining 10 on the other.
- Connector Outline:** Shows the connector's footprint on the PCB. It includes dimensions for the mounting area (58.5 ± 0.05 mm), the pin pitch (2.5 ± 0.05 mm), the pin diameter (φ 0.85 ± 0.05 / -0.03 mm), and the mounting hole diameter (φ 2.0 ± 0.05 mm). It also shows the connector's position relative to the board edges (7 ± 0.05 mm).

Material and Finish
Tab contact : Copper alloy, nickel-undercoated, selective gold-plated Housing : Glass-filled PBT, UL94V-0, black Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

JST₁₃

J2000 SERIES/ KEYING BLOCK

Keying block



	Keying	Model No.	Q'ty/bag
For receptacle housing	X	J2KF-VR-X	500
	Y	J2KF-VY-Y	500
	Z	J2KF-VE-Z	500
For header housing	X	J2KM-VR-X	500
	Y	J2KM-VY-Y	500
	Z	J2KM-VE-Z	500

Material and Finish

Glass-filled PBT, UL94V-0, X-Keying (red), Y-Keying (yellow), Z-Keying (blue)

RoHS2 compliance

Note: Unlisted in UL/TÜV.

Features

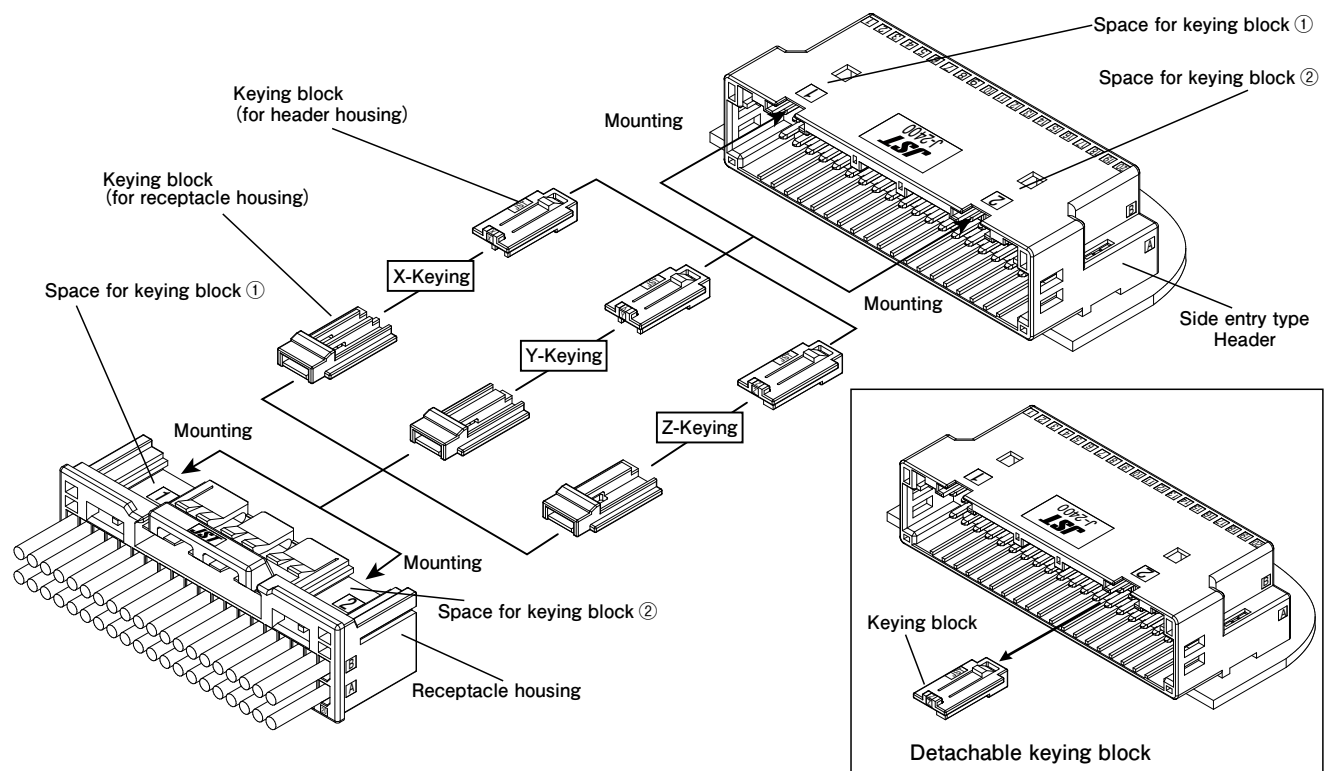
Mis-mating prevention keying block can be freely mounted to keying block space.

- 9 types of keying can be provided by mounting 3 types of keying block to 2 keying block spaces.
- Since a color varies on each type of keying, the kind of keying is easy to recognize.

Variation of keying

	X-Keying (red)	Y-Keying (yellow)	Z-Keying (blue)
For header housing			
For receptacle housing			

How to use keying block (When using J2400)

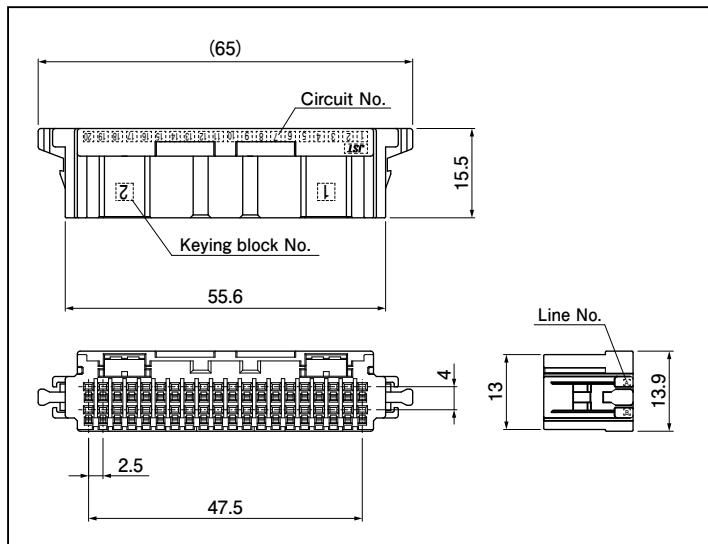


J200 SERIES/ J2400 (FOR KEYING BLOCK)

Assembly layout

	When mating with a receptacle housing side locking type	When mating with a receptacle housing center locking type
Wire-to-board		

Receptacle housing (Side locking type)



No. of circuits	Keying	Model No.	Q'ty/bag
40	-	J24DFS-40V-KE	100

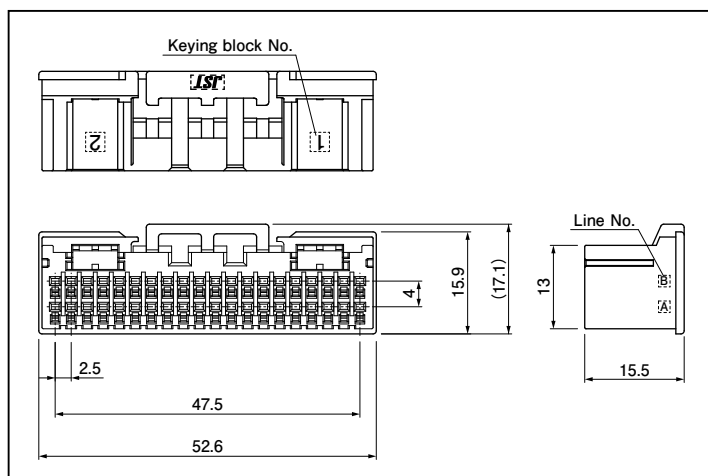
Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Note: Unlisted in UL/TÜV.

Receptacle housing (Center locking type)



No. of circuits	Keying	Model No.	Q'ty/bag
40	-	J24DFC-40V-KE	100

Material and Finish

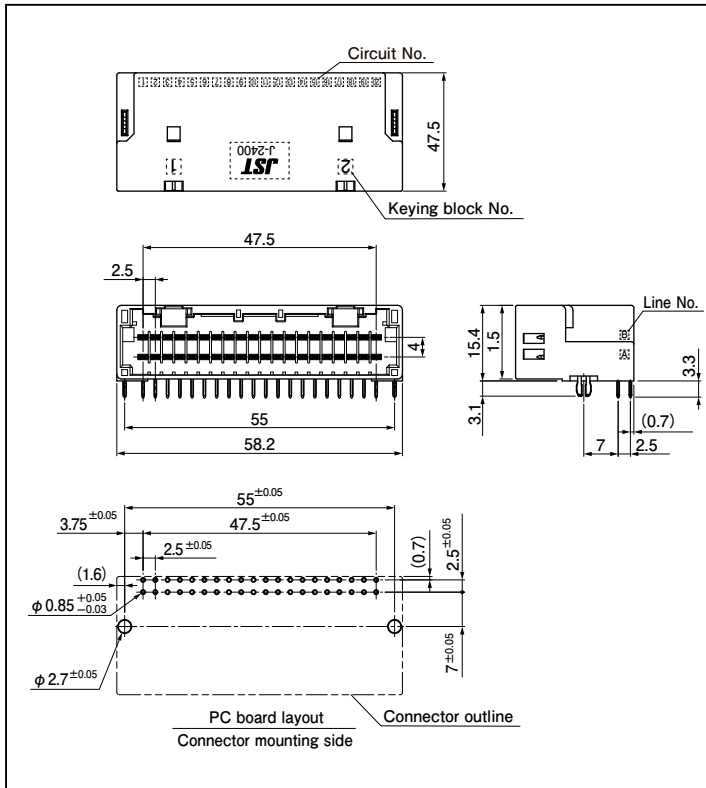
Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Note: Unlisted in UL/TÜV.

J200 SERIES/ J2400 (FOR KEYING BLOCK)

Header Side entry type



No. of circuits	Keying	Model No.	Q'ty/box
40	—	S40B-J24DK-GGER	135

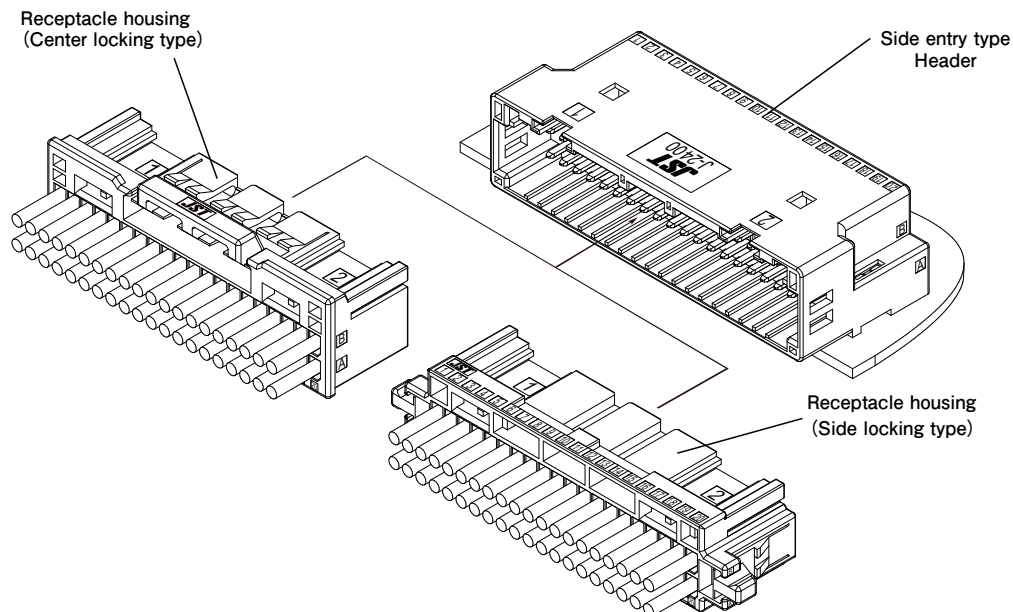
Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

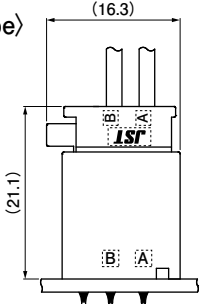
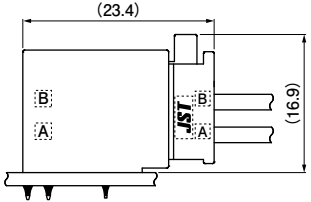
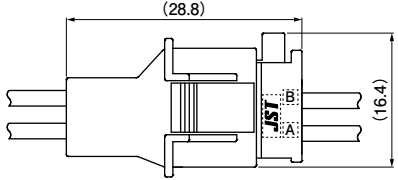
RoHS2 compliance This product displays (LF)(AU) on a label.
Note: 1. Contact JST for 0.76 μ m gold-plated products.
2. Unlisted in UL/TÜV.

Mating combinations

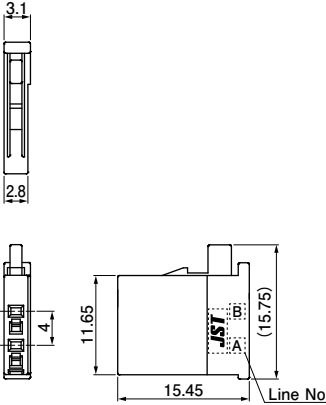
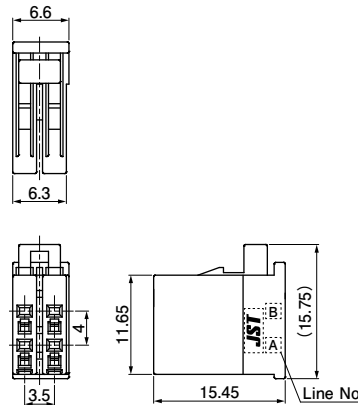
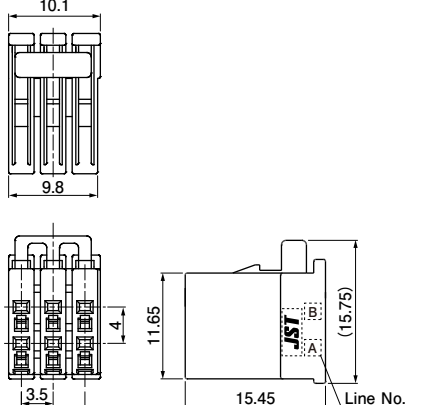
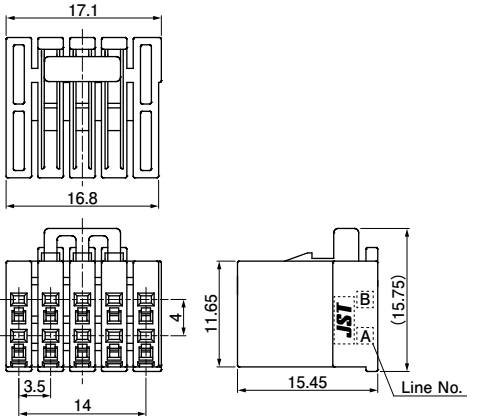
The side entry type header can be mated with a receptacle housing center locking type or side locking type.



Assembly layout

Wire-to-board	〈Top entry type〉 	〈Side entry type〉 
Wire-to-wire	〈Panel mounting type〉 	

Receptacle housing

• 2 circuits 	• 4 circuits 	• 6 circuits 
• 10 circuits 		

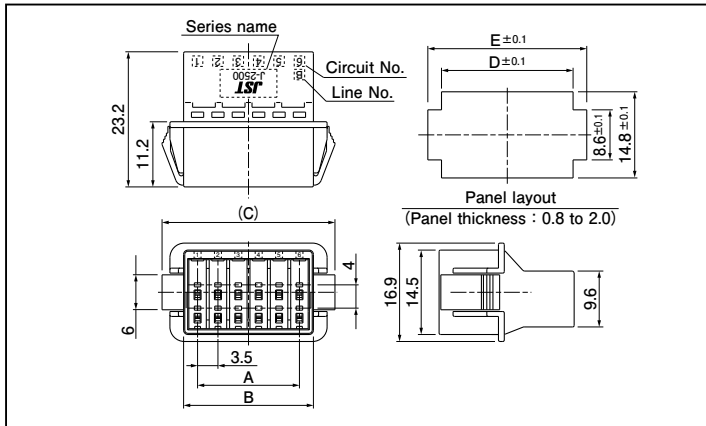
No. of circuits	Keying	Model No.	Q'ty/bag
2	—	J25MF-02V-K	800
4	—	J25MF-04V-K	400
6	—	J25MF-06V-K	300
10	—	J25MF-10V-K	200

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing (Panel mounting type)



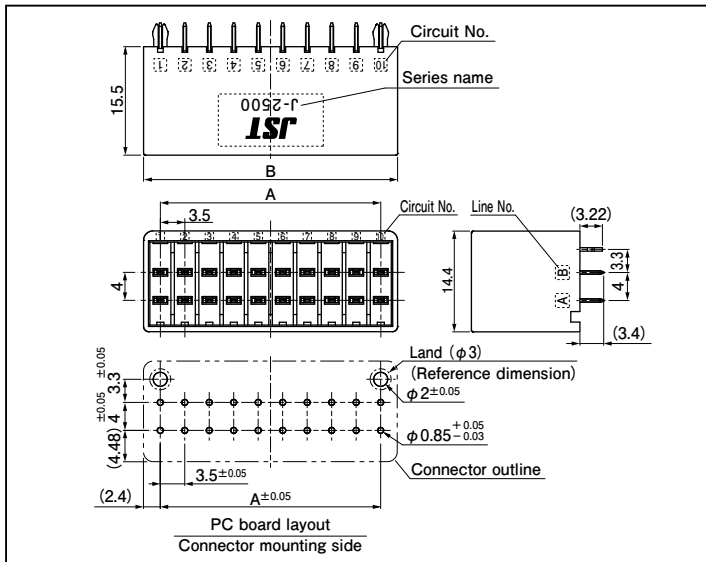
No. of circuits	Keying	Model No.	Dimensions (mm)					Q'ty
			A	B	C	D	E	
12	—	J25DPM-12V-K	17.5	22.3	29.7	22.6	27.3	200/bag
20	—	J25DPM-20V-K	31.5	36.3	43.7	36.6	41.3	132/box

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Header (Top entry type)



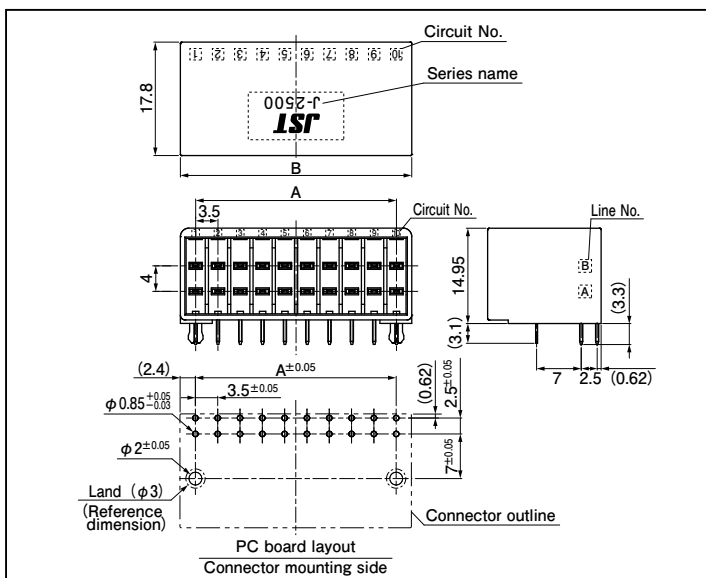
No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
12	—	B12B-J25DK-GGR	17.5	22.3	108
20	—	B20B-J25DK-GGR	31.5	36.3	72

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

Header (Side entry type)



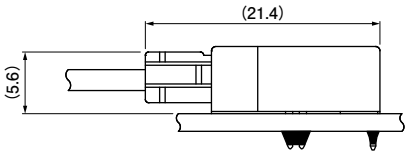
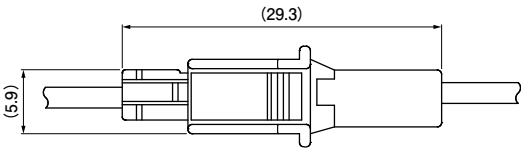
No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
12	—	S12B-J25DK-GGR	17.5	22.3	108
20	—	S20B-J25DK-GGR	31.5	36.3	72

Material and Finish

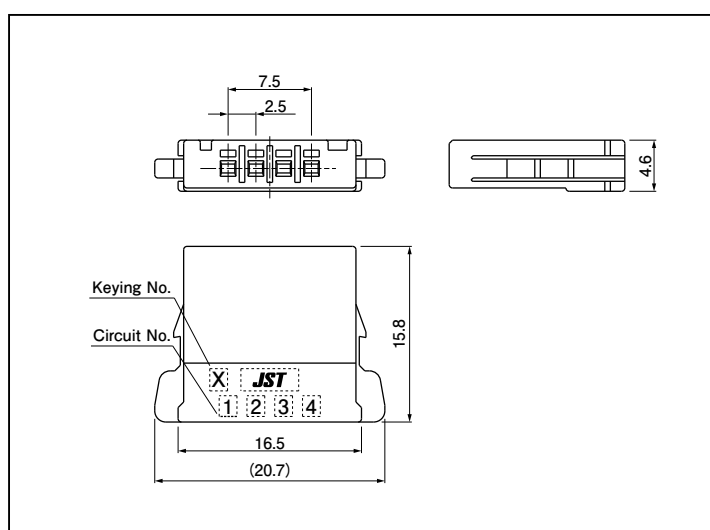
Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μm gold-plated products.

Assembly layout

Wire-to-board	〈Side entry type〉 
Wire-to-wire	〈Free hanging type/Panel mounting type〉 

Receptacle housing



No. of circuits	Keying	Model No.	Q'ty/box
4	X	J28SF-04V-KX	1000

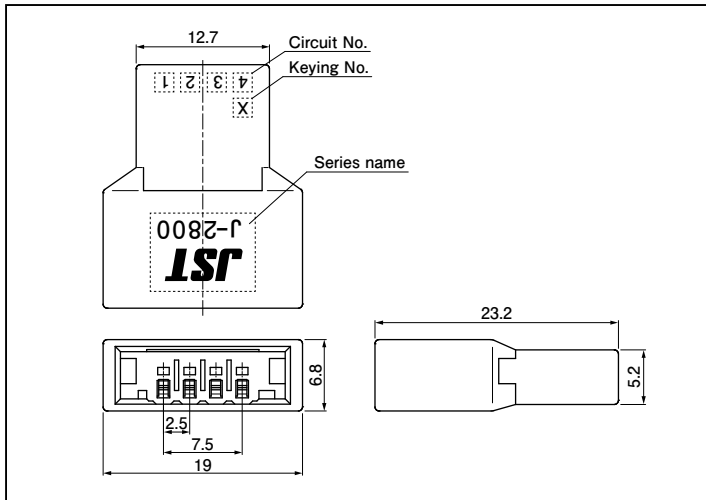
Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

J2000 SERIES/ J2800

Tab housing (Free hanging type)



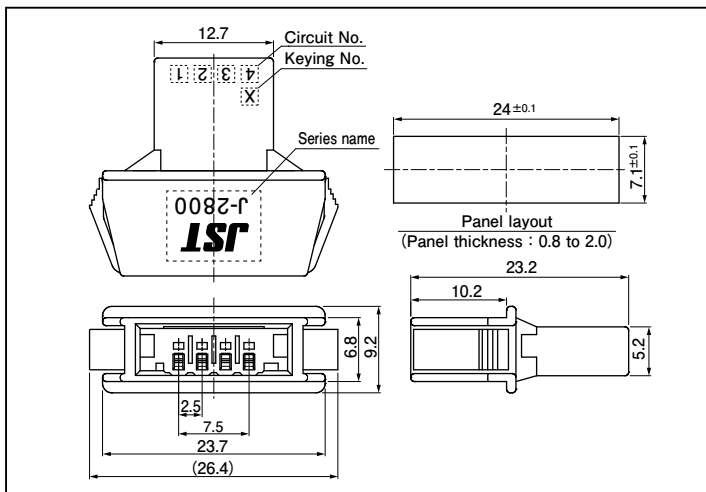
No. of circuits	Keying	Model No.	Q'ty/bag
4	X	J28SFM-04V-KX	500

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing (Panel mounting type)



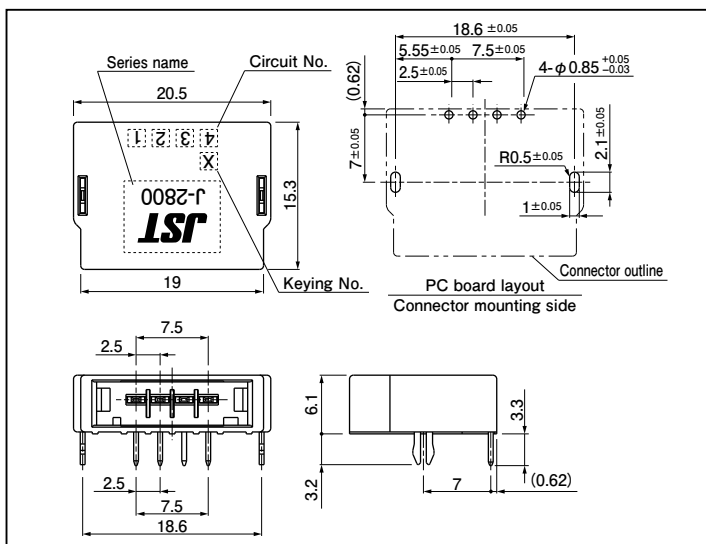
No. of circuits	Keying	Model No.	Q'ty/box
4	X	J28SPM-04V-KX	180

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance
Note: Unlisted in UL.

Header (Side entry type)

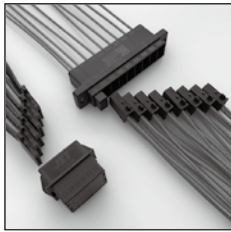


No. of circuits	Keying	Model No.	Q'ty/box
4	X	S04B-J28SK-GGXQ1R	280

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, tin-plated

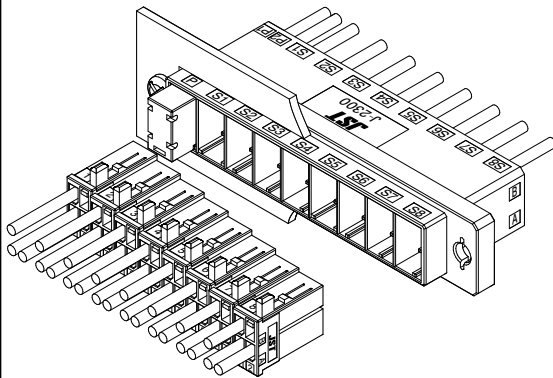
RoHS2 compliance This product displays (LF) on a label.
Note: 1. 3rd and 4th pins are sequential pins.
2. Contact JST for 0.76 μ m gold-plated products.



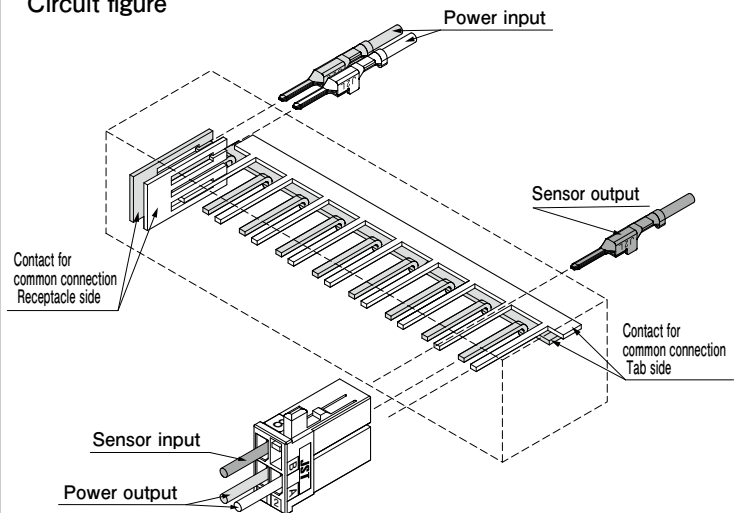
J2000 SERIES/COMMON, SENSOR TYPE/ J2300

Common, Sensor type (J2300)

Panel mounting Screw type



Circuit figure



- Rationalization of wiring is realized by the common connection inside the connector.

■ Specification

- Current rating: AC/DC

(Total input current per contact
for common connection tab side)

Current unit : A

Wire size (AWG)				
#20	#22	#24	#26	#28
6.5	5.5	4.0	3.0	2.0

- Voltage rating: 125 V AC/DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire: AWG #28 to #20

*Please note that the above general specifications may differ from the safety standards.

*In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).

*RoHS2 compliance

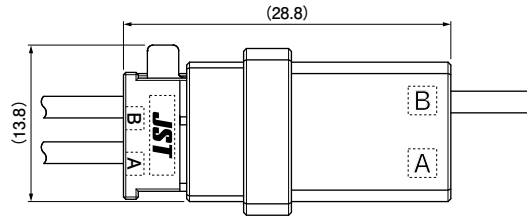
*Dimensional unit: mm

*Contact JST for details.

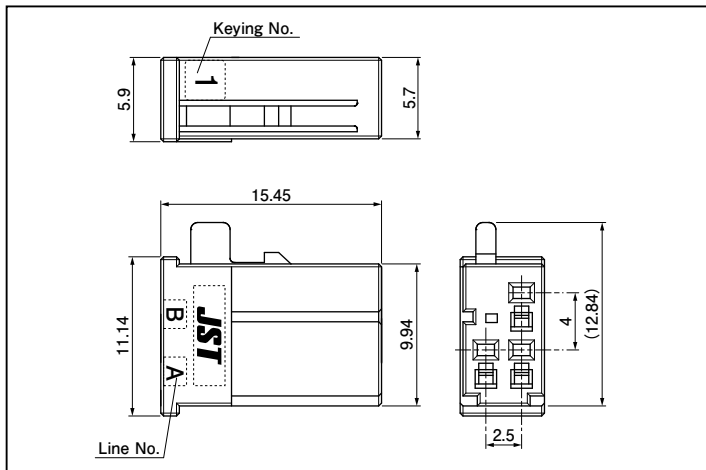
J2000 SERIES/COMMON, SENSOR TYPE/ J2300

Assembly layout

〈 Panel mounting Screw type 〉



Receptacle housing



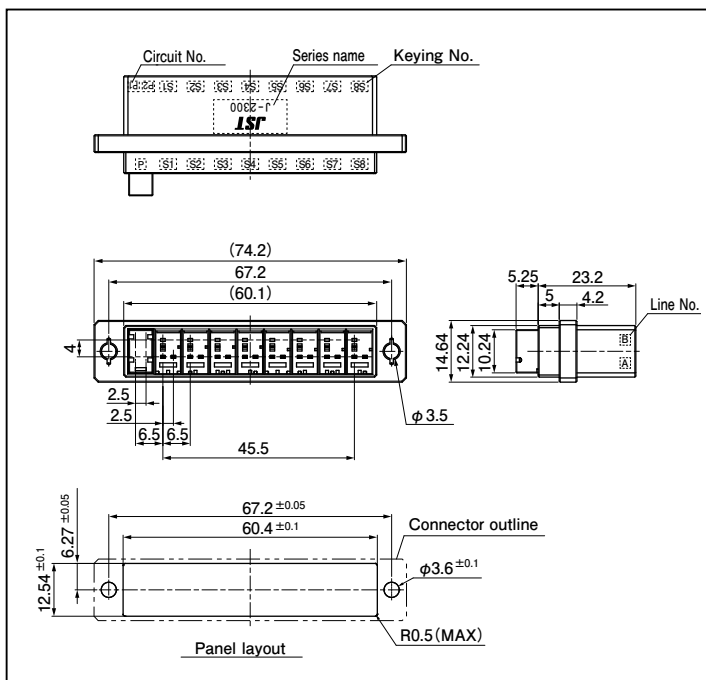
No. of circuits	Keying	Model No.	Q'ty/box
3	S1	J23CF-03V-KS1	784
	S2	J23CF-03V-KS2	
	S3	J23CF-03V-KS3	
	S4	J23CF-03V-KS4	
	S5	J23CF-03V-KS5	
	S6	J23CF-03V-KS6	
	S7	J23CF-03V-KS7	
	S8	J23CF-03V-KS8	

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing Assembly



Circuit	No. of circuits	Keying	Model No.	Q'ty/box
Power input	2	S1 to S8	P28B-J23DK-GGNNR	64
Power output	16 (Common output)			
Sensor I/O	8			

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Note: 1. Contact JST for 0.76 μ m gold-plated products.

2. Refer to the top page of Common type (J2300) for circuit figure.

J2000 SERIES/COMMON TYPE/ J2500

Dual-row Common type (J2500)

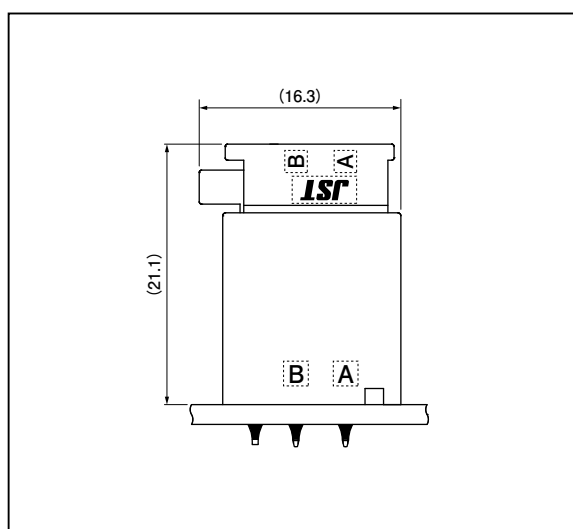
Current unit : A

Receptacle side	Tab side	Appearance	Circuit figure	Current rating : AC/DC						
				Wire size (AWG)						
				No. of circuits	Note	# 20	# 22	# 24	# 26	# 28
Receptacle housing assembly with common connection	Header			12	3.6	3.6	3.1	2.4	2.0	1.6
				20	2.9	2.9	2.5	2.1	1.7	1.3
	Tab housing			12	3.6	3.6	3.1	2.4	2.0	1.6
				20	2.9	2.9	2.5	2.1	1.7	1.3

Note: Use only receptacle housing with common connection.

- Rationalization of wiring is realized by the common connection inside the connector.

Assembly layout



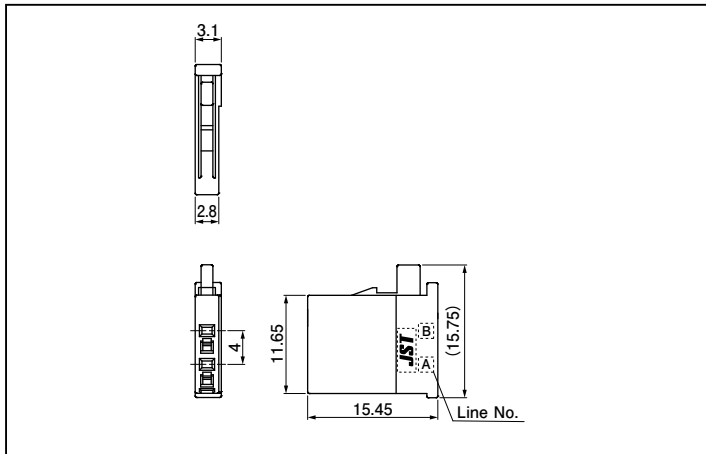
*When mating with top entry type header

Specifications

- Current rating : Refer to the above table.
- Voltage rating : 250 V AC/DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire : AWG #28 to #20
- * Please note that the above general specifications may differ from the safety standards.
- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

J2000 SERIES/COMMON TYPE/ J2500

Receptacle housing assembly with common connection



No. of circuits	Keying	Model No.	Q'ty/box
—	—	J25MF-00(2-A1D)V-EC	1,800

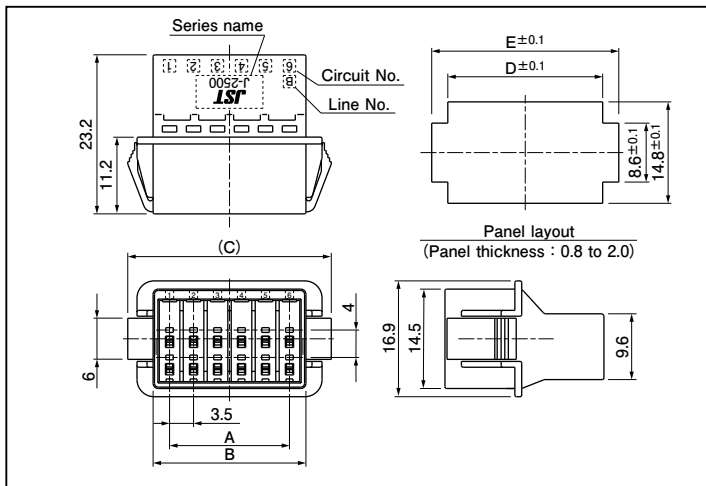
Material and Finish

Contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, blue

RoHS2 compliance

Note: 1. Contact JST for 0.76 μ m gold-plated products.
2. Refer to the top page of Common type (J2500) for circuit figure.
3. Unlisted in UL/TÜV.

Tab housing (Panel mounting type)



No. of circuits	Keying	Model No.	Dimensions (mm)					Q'ty
			A	B	C	D	E	
12	—	J25DPM-12V-K	17.5	22.3	29.7	22.6	27.3	200/bag
20	—	J25DPM-20V-K	31.5	36.3	43.7	36.6	41.3	132/box

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Cross-section of receptacle housing assembly with common connection

Inserted the contact for common connection to the inside of receptacle housing

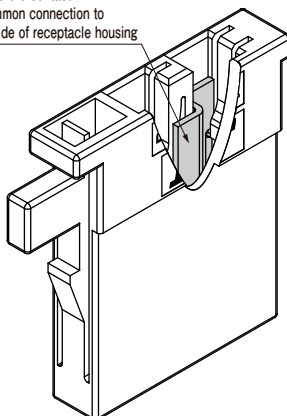
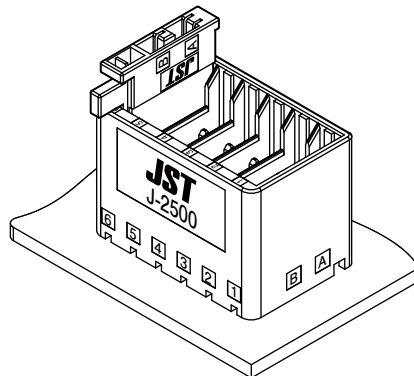
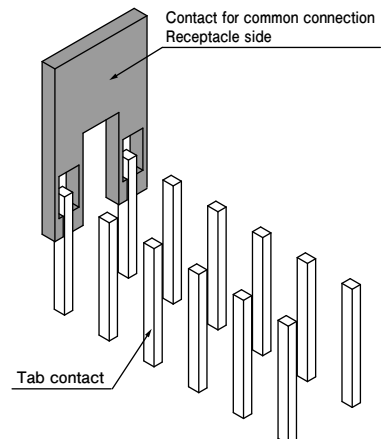


Illustration when using



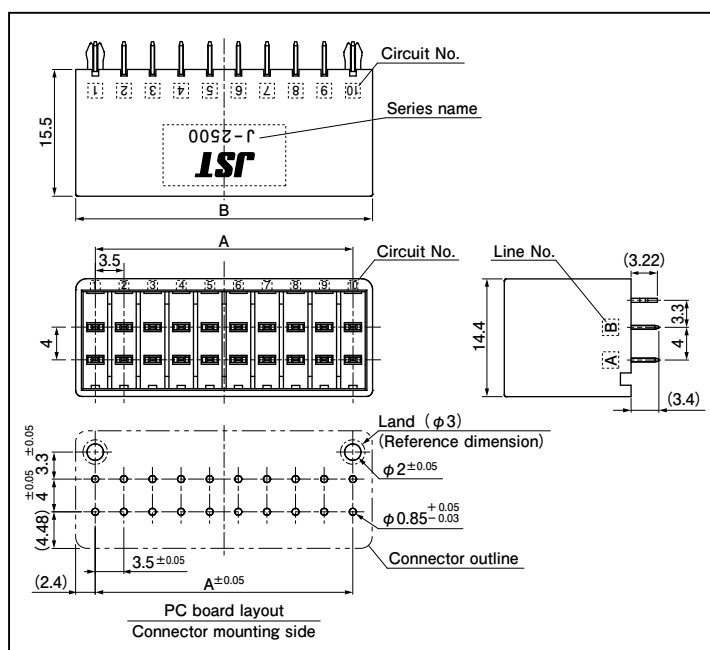
*When using receptacle housing assembly with common connection

Circuit figure when using



J2000 SERIES/COMMON TYPE/ J2500

Header (Top entry type)



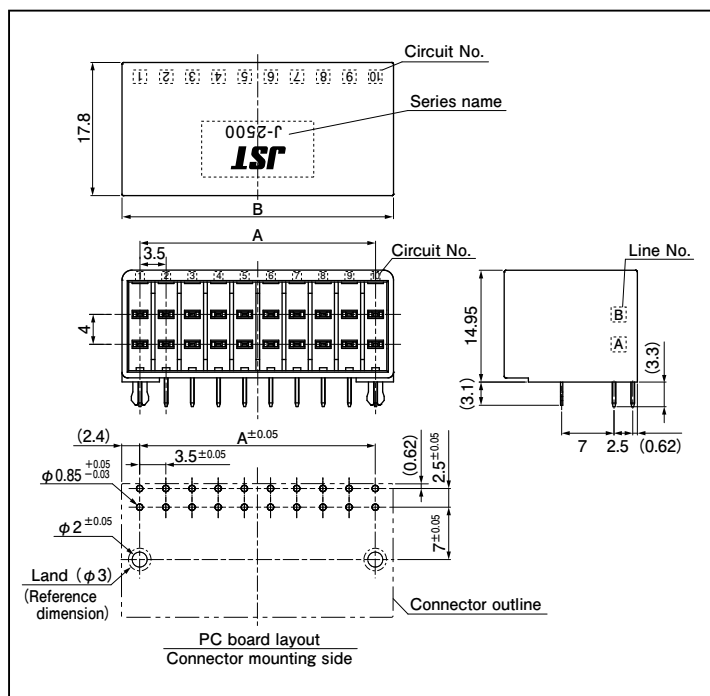
No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
12	—	B12B-J25DK-GGR	17.5	22.3	108
20	—	B20B-J25DK-GGR	31.5	36.3	72

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μ m gold-plated products.

Header (Side entry type)



No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
12	—	S12B-J25DK-GGR	17.5	22.3	108
20	—	S20B-J25DK-GGR	31.5	36.3	72

Material and Finish

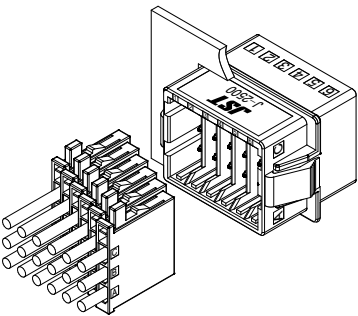
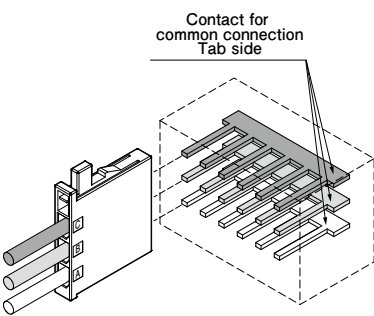
Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black
Reinforcement : Copper alloy, nickel-undercoated, selective gold-plated

RoHS2 compliance This product displays (LF)(AU) on a label.
Note: Contact JST for 0.76 μ m gold-plated products.

J2000 SERIES/COMMON TYPE/ J2500

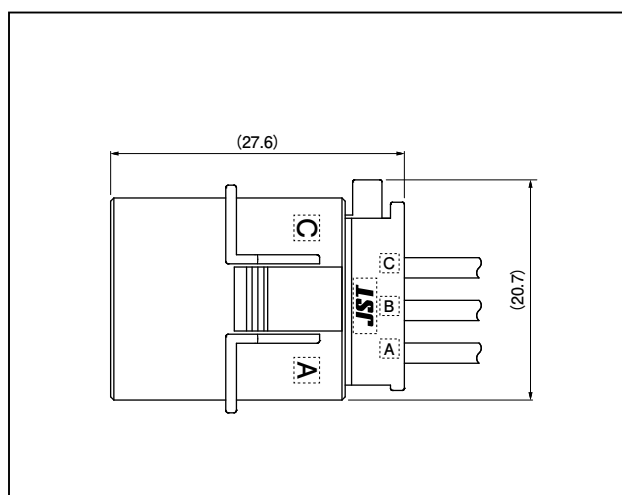
Triple-row Common type

Current unit : A

Receptacle side	Tab side	Appearance	Circuit figure	Current rating : AC / DC					
				Wire size (AWG)					Wire size remark
				#20	#22	#24	#26	#28	
Normal Receptacle housing	Contact for common connection Tab side			5.5	5.0	4.5	4.0	3.5	Total input current on single-row

- Rationalization of wiring is realized by the common connection inside the connector.

Assembly layout

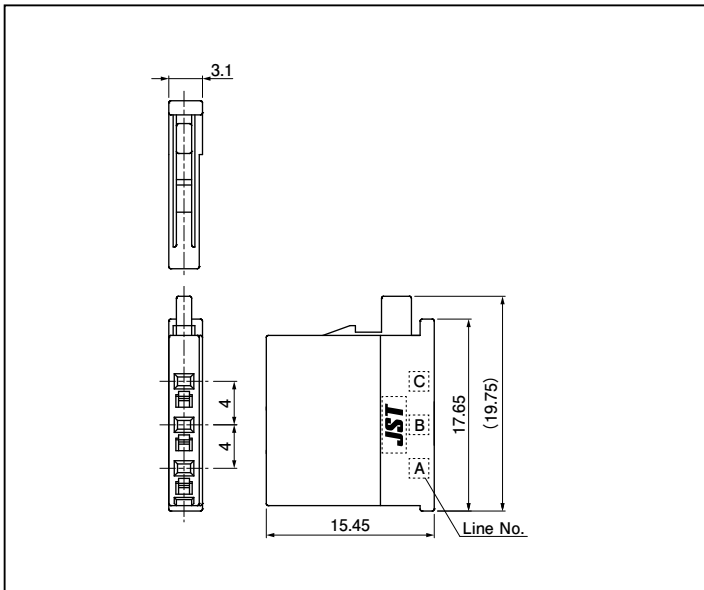


Specifications

- Current rating : Refer to the above table.
- Voltage rating : 250 V AC/DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire : AWG #28 to #20
- * Please note that the above general specifications may differ from the safety standards.
- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

J2000 SERIES/COMMON TYPE/ J2500

Receptacle housing



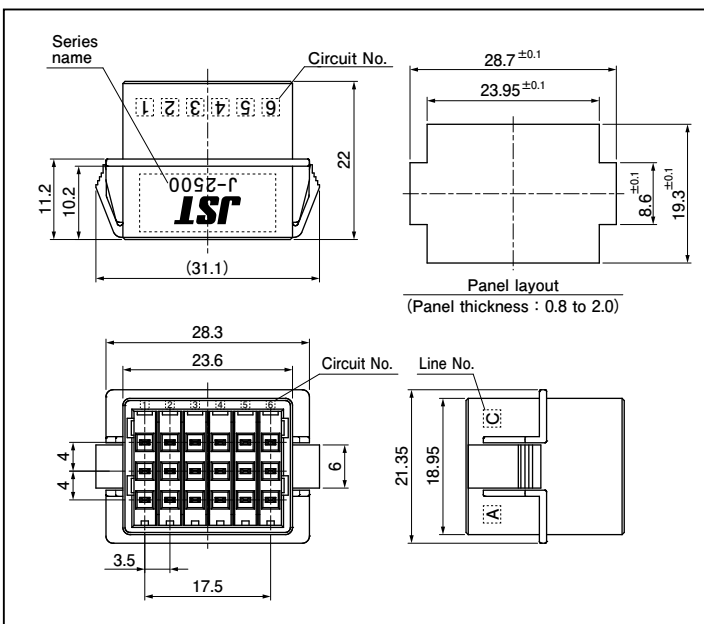
No. of circuits	Keying	Model No.	Q'ty/bag
3	–	J25TF-03V-K	600

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Common tab housing Assembly



No. of circuits	Keying	Model No.	Q'ty/box
18	–	P18B-J25TK-GFR	180

Material and Finish

Tab contact : Copper alloy, nickel-undercoated, selective gold-plated
Housing : Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Note: 1. Contact JST for 0.76 μ m gold-plated products.

2. Refer to the top page of Common type (J2500) for circuit figure.

JFA CONNECTOR / J2000 SERIES

Model number allocation

Receptacle contact

	S	J2	F	-01	GF	-P	1.0
Form: S...Strip form, B...Loose piece							
Series name							
Type: F...Receptacle contact							
Applicable wire: 002...AWG #28 to #24							
01...AWG #24 to #20							
21...AWG #22 to #20							
Surface finish:							
GF...Nickel-undercoated, 0.38 μ m selective gold-plated							
G1...Nickel-undercoated, 0.76 μ m selective gold-plated							
Material: P...Copper alloy							
Terminal size							

Tab contact

	S	J2	M	-01	GF	-M	1.0	N
Form: S...Strip form								
B...Loose piece								
Series name								
Type: M...Tab contact								
Applicable wire: 002...AWG #28 to #24								
01...AWG #24 to #20								
21...AWG #22 to #20								
Surface finish:								
GF...Nickel-undercoated, 0.38 μ m selective gold-plated								
G1...Nickel-undercoated, 0.76 μ m selective gold-plated								
Material: M...Copper alloy								
Terminal size								
Sequential: N...Normal, S...Sequential								

Receptacle housing

	J21	D	F	-06	V	-K	X	-L
Series name:								
J21...Center locking type								
J22...Side locking type								
J23...Module type								
J24...Hybrid type								
J25...Module type								
J28...Side locking type (Thin type)								
Rows: S...Single-row, D...Dual-row, M...Module,								
T...Triple-row, C...For sensor								
Type of connector:								
F...Receptacle housing,								
FS...Receptacle housing (Side locking type) (J2400 series only)								
FC...Receptacle housing (Center locking type) (J2400 series only)								
No. of circuits								
Flammability: UL94V-0								
Color: K...Black, S...Natural (White), PK...Pink,								
E...Blue, M...Green								
Keying: X...X-Keying, Y...Y-Keying, Sn...Special Keying,								
E...Space (2 spaces) for Keying block,								
Blank...Without Keying No.								
Keyway type (J2100 series only):								
L...Long-key type								
Blank...Short-key type (6-circuit: Long-key type)								

Tab housing

	J21	D	PM	-06	V	-K	X
Series name:							
J21...Center locking type							
J25...Module type							
J28...Side locking type (Thin type)							
Rows: S...Single-row, D...Dual-row							
Mounting arrangement: PM...Panel mounting							
FM...Free hanging							
No. of circuits							
Flammability: UL94V-0							
Color: K...Black							
Keying:							
X...X-Keying, Y...Y-Keying, Blank...Without Keying No.							

Header

	S	04	B	-J28	S	K	-GG	X	Q1	R
Shape of assembled product:										
B...Top entry type										
S...Side entry type										
No. of circuits										
Part name: Assembly product										
Series name:										
J21...Center locking type										
J22...Side locking type										
J23...Module type										
J24...Hybrid type										
J25...Module type										
J28...Side locking type (Thin type)										
Rows: S...Single-row, D...Dual-row										
Color: K...Black, S...Natural (White),										
PK...Pink, E...Blue, M...Green										
Surface finish:										
GG...Nickel-undercoated, 0.38 μ m selective gold-plated										
GK...Nickel-undercoated, 0.76 μ m selective gold-plated										
Keying: X...X-Keying, Y...Y-Keying, N...Special Keying,										
E...Space (2 spaces) for Keying block,										
Blank...Without Keying No.										
Sequential: Q1...Sequential, Blank...Normal										
Packaging form: R...Tray										

JFA CONNECTOR / J2000 SERIES

Model number allocation

Receptacle housing assembly

J25 M F - 00 (2-A1D) V - E C

Series name:

J25...Module type

Rows: M...Module

Type of connector:

F...Receptacle housing

No. of circuits
(The number of receptacle contact that can be mounted to the housing.)

Common:
2-A1D...Common circuit is set to No. 1 circuit at each row of A and B.

Flammability: UL94V-0

Color: E...Blue

Surface finish of assembled short circuit terminal:
C...Nickel-undercoated, 0.38 μ m selective gold-plated

Common tab housing assembly

P 28 B - J23 D K - GG N R

Shape of assembled product:
P...Panel mounting type

No. of circuits

Part name: Assembly product

Series name:
J23...Common, Sensor type
J25...Common type

Rows: D...Dual-row, T...Triple-row

Color: K...Black

Surface finish:
GG, GF...Nickel-undercoated, 0.38 μ m selective gold-plated

Keying: N...Special Keying,
Blank...Without Keying No.

Packaging style: R...Tray

Keying block

J2 K F - V R - X

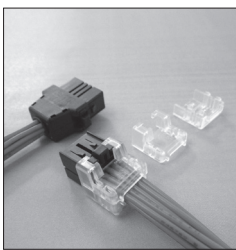
Series name:

Part name: Keying block

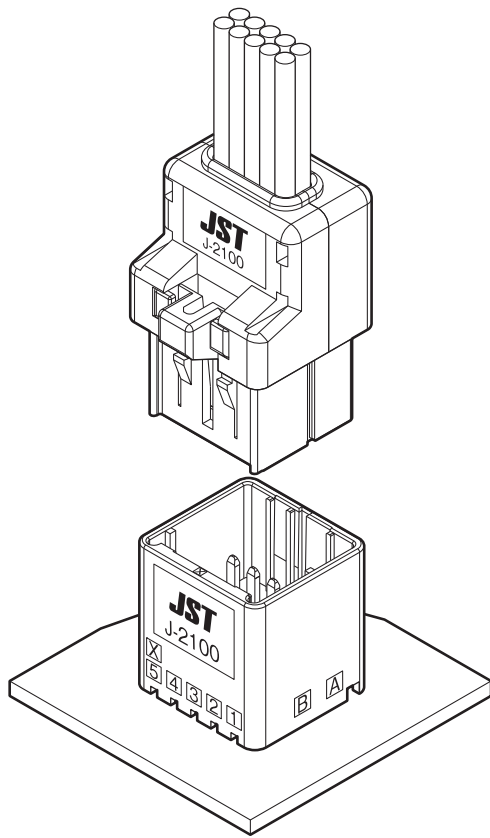
Type of connector:
F...For receptacle housing
M...For header housing

Flammability: UL94V-0

Color/Keying: R-X...Red/X-Keying
Y-Y...Yellow/Y-Keying
E-Z...Blue/Z-Keying



JFA CONNECTOR J2000 SERIES PROTECTOR



Standards

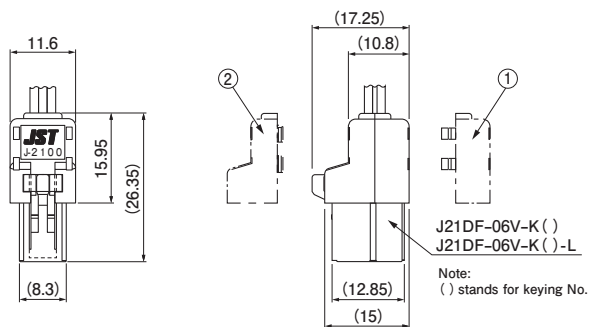
 J50209682

When applying a current to the connector, the protector prevents foreign substances being inserted into mating part from the wiring side. However it has no function of holding the wire securely.

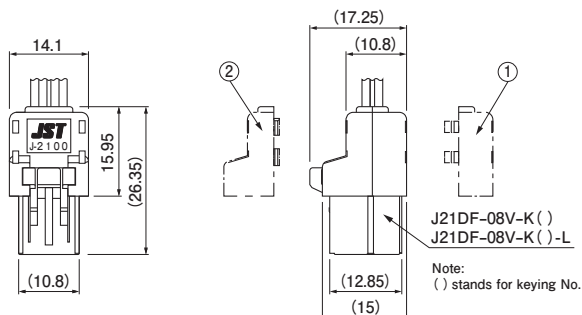
Note: Protector is unlisted in UL.

J2000 Series

• J2100 series for 6 circuits



• J2100 series for 8 circuits



No.	Model No.	Color	Q'ty/box
1	J21PF-06SCA	Transparent	2,250
2	J21PF-06SCB	Transparent	2,100

Material and Finish

Polycarbonate

RoHS2 compliance

No.	Model No.	Color	Q'ty/box
1	J21PF-08SCA	Transparent	480
2	J21PF-08SCB	Transparent	270

Material and Finish

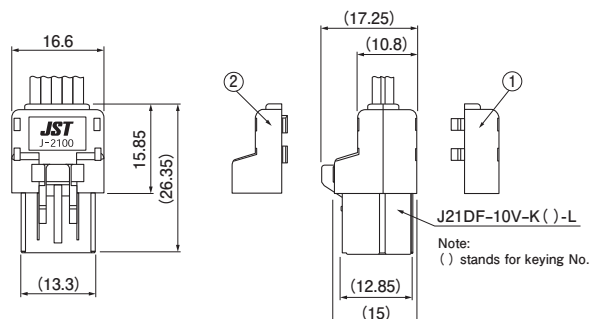
Polycarbonate

RoHS2 compliance

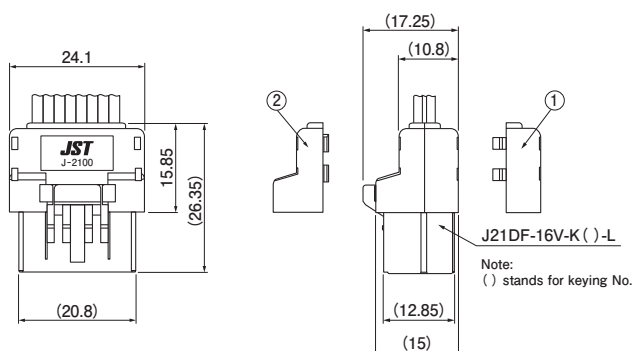
JFA CONNECTOR J2000 SERIES PROTECTOR

J2000 Series

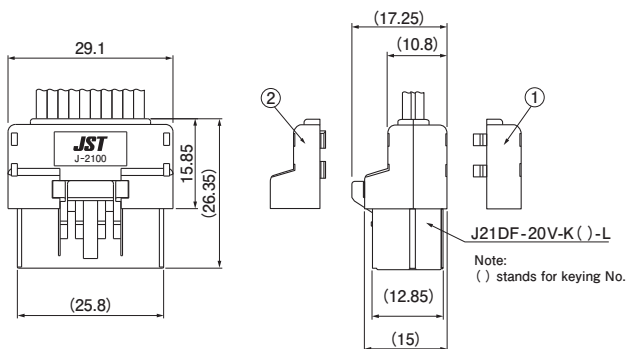
• J2100 series for 10 circuits



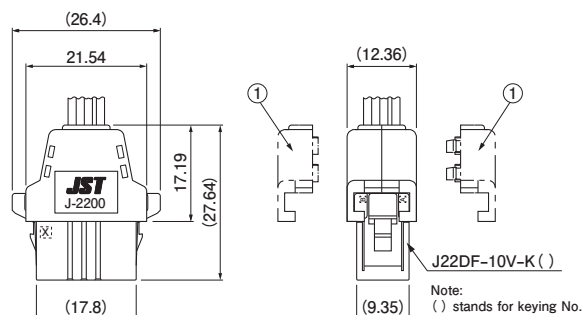
• J2100 series for 16 circuits



• J2100 series for 20 circuits



• J2200 series for 10 circuits



No.	Model No.	Color	Q'ty/box
1	J21PF-10VKA	Black	390
	J21PF-10SCA	Transparent	390
2	J21PF-10VKB	Black	234
	J21PF-10SCB	Transparent	234

Material and Finish

Black: Glass-filled PBT
Transparent: Polycarbonate

RoHS2 compliance

Note: Use the same color for protector 1 and 2.

No.	Model No.	Color	Q'ty/box
1	J21PF-16VKA	Black	270
	J21PF-16SCA	Transparent	270
2	J21PF-16VKB	Black	162
	J21PF-16SCB	Transparent	162

Material and Finish

Black: Glass-filled PBT
Transparent: Polycarbonate

RoHS2 compliance

Note: Use the same color for protector 1 and 2.

No.	Model No.	Color	Q'ty/box
1	J21PF-20VKA	Black	210
	J21PF-20SCA	Transparent	210
2	J21PF-20VKB	Black	126
	J21PF-20SCB	Transparent	126

Material and Finish

Black: Glass-filled PBT
Transparent: Polycarbonate

RoHS2 compliance

Note: Use the same color for protector 1 and 2.

No.	Model No.	Color	Q'ty/box
1	J22PF-10VK	Black	420

Material and Finish

Glass-filled PBT

RoHS2 compliance

Note: Two protectors are used.