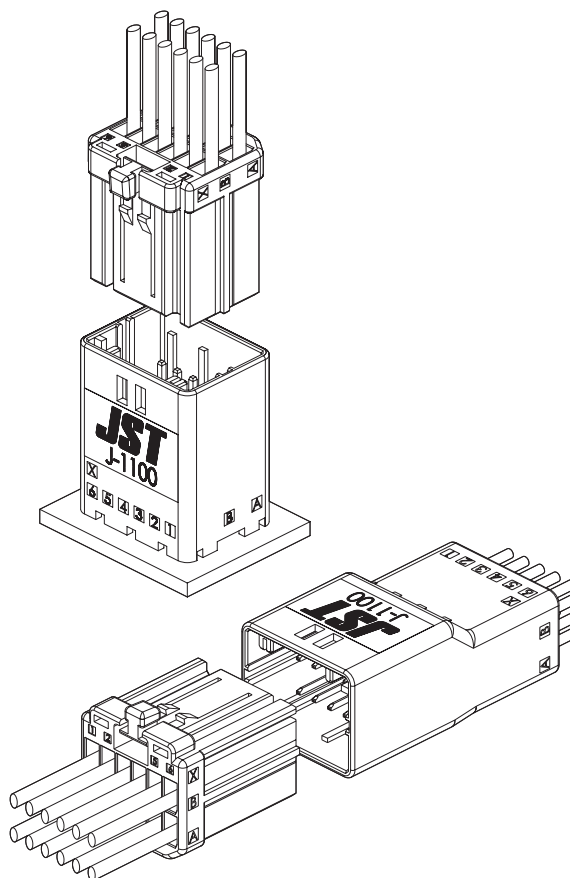




JFA CONNECTOR J1000 SERIES

2.2mm pitch/Disconnectable Crimp style connectors(Wire-to-board/Wire-to-wire)



Connectors for signal circuit or power supply circuit, applicable to the factory automation, heavy electric machinery, and other industrial equipment in general. In spite of various kinds of housings available, their contacts are designed to be common.

The applicable tooling can be standardized.

- Double-spring construction
- Up to AWG #18 with 2.2 mm pitch
- Housing lance
- Secure locking method
- Recognition mark

Specifications

•Current rating:

Unit: (A)

Circuits	Wire size (AWG)					
	#18	#20	#22	#24	#26	#28
3	6.4	5.4	4.8	4.0	3.4	2.8
6	5.5	4.6	4.0	3.4	2.9	2.4
8	5.5	4.6	4.0	3.1	2.6	2.2
12	4.7	3.9	3.4	2.7	2.3	2.0
20	4.0	3.4	3.0	2.4	2.0	1.8
22	3.9	3.3	2.9	2.3	1.9	1.7
26	3.6	3.0	2.6	2.2	1.8	1.6
30	3.6	3.0	2.6	2.1	1.7	1.5

•Voltage rating: 125 V AC, DC/ J1100
250 V AC, DC/ J1800

•Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)

•Applicable wire: AWG #28 to #18

•Applicable PC board thickness: 1.6 mm

*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.

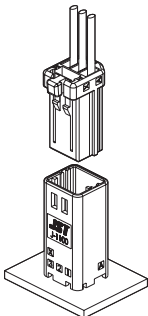
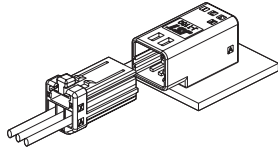
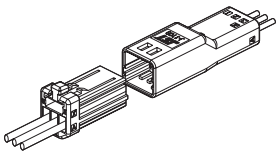
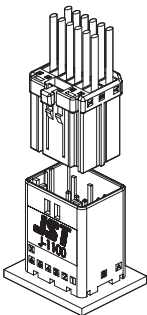
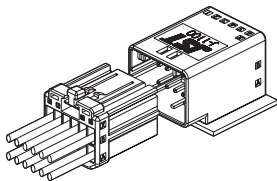
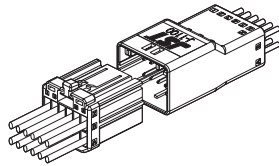
*Compliant with RoHS2.

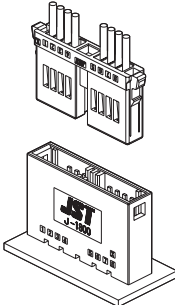
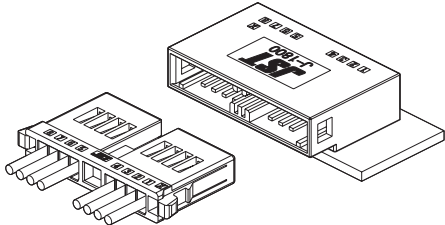
Standards

Recognized E60389

JFA CONNECTOR/J1000 SERIES

List of J1000 series products

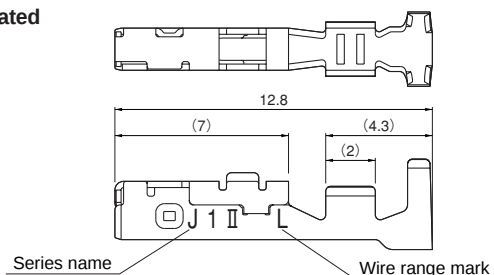
Type		2.2 mm pitch / Voltage rating 125 V AC, DC		
		Wire-to-board		Wire-to-wire
		Top entry type	Side entry type	Free hanging type
Center locking type	J1100 Single-row type			
	Circuits	3	3	3
	J1100 Double-row type			
	Circuits	6, 8, 12, 20, 22, 26, 30	6, 8, 12, 20, 30	6, 8, 12, 20, 26

Type		2.2 mm pitch / Voltage rating 250 V AC, DC	
		Wire-to-board	
		Top entry type	Side entry type
Side locking type (Thin type)	J1800 Single-row type		
	Circuits	8	8

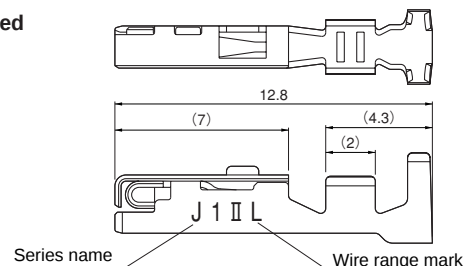
JFA CONNECTOR/J1000 SERIES

Receptacle contact

● Gold-plated



● Tin-plated



Strip contact Model No.	Series	Applicable wire			Insulation O.D. (mm)	Q'ty/ reel
		Size	mm ²	AWG #		
SF1F-002GC-P0.6	Gold (0.2μm)	M	0.08~0.2	28~24	0.88~1.43	6,000
SF1F-002T-P0.6	Tin					
SF1F-01GC-P0.6	Gold (0.2μm)	ME	0.2~0.5	24~20	1.30~1.90	5,500
SF1F-21GC-P0.6	Gold (0.2μm)	L	0.3~0.8	22~18	1.50~2.10	5,000
SF1F-21T-P0.6	Tin					

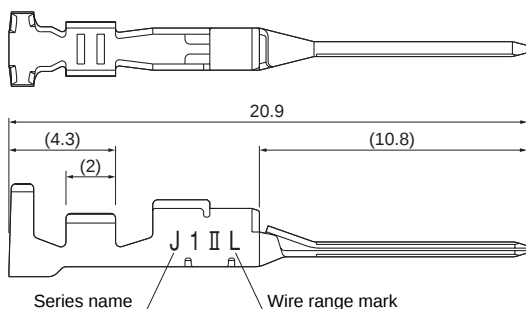
Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated
Tin-plated

RoHS2 compliance

Note: Contact JST for 0.76 μm gold-plated product.

Tab contact



Strip contact Model No.	Series	Applicable wire			Insulation O.D. (mm)	Q'ty/ reel
		Size	mm ²	AWG #		
SF1M-002GC-M0.6A	Gold (0.2μm)	M	0.08~0.2	28~24	0.88~1.43	6,000
SF1M-002T-M0.6A	Tin					
SF1M-01GC-M0.6A	Gold (0.2μm)	ME	0.2~0.5	24~20	1.30~1.90	5,500
SF1M-21GC-M0.6A	Gold (0.2μm)	L	0.3~0.8	22~18	1.50~2.10	5,000
SF1M-21T-M0.6A	Tin					

Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated
Tin-plated

RoHS2 compliance

Note: Contact JST for 0.76 μm gold-plated product.

Crimping machine, Applicator

Strip contact Model No.	Crimping machine	Applicator			
		Crimp applicator	Dies	Crimp applicator with dies	Hand crimp tools
SF1F-002(*) -P0.6	AP-K2N	MKS-L	MK/SF1F/ M-002-06	APLMK SF1F/ M002-06	YRK-1220
SF1M-002(*) -M0.6A			MK/SF1F/ M-002-06	APLMK SF1F/ M002-06	
SF1F-01GC -P0.6	AP-K2N	MKS-L	MK/SF1F/ M-01-06	APLMK SF1F/ M01-06	YRK-1230
SF1M-01GC -M0.6A			MK/SF1F/ M-01-06	APLMK SF1F/ M01-06	

Strip contact Model No.	Crimping machine	Applicator			
		Crimp applicator	Dies	Crimp applicator with dies	Hand crimp tools
SF1F-21(*) -P0.6	AP-K2N	MKS-L	MK/SF1F/ M-21-06	APLMK SF1F/ M21-06	YRK-1210
SF1M-21(*) -M0.6A			MK/SF1F/ M-21-06	APLMK SF1F/ M21-06	

Note: Finish (*): GC ...Nickel-undercoated, 0.2 μm selective gold-plated
TTin-plated

- Extraction tool for J1100 series: EJ-JFAJ1100/EJ-JFAJ1100N
- Extraction tool for J1800 series: EJ-JFAJ18
- Refer to the page of "Crimping tools" for details of YRK series hand crimping tools that uses a strip contact.

Note: Contact JST for fully automatic crimping applicator.

Recognition mark

• Plating of the contact

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

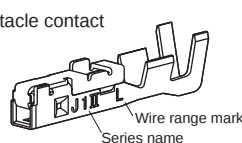
- 1 ... gold-plated 0.2 μm thickness
- 3 ... gold-plated 0.76 μm thickness
- 5 ... tin-plated

• Common marking on the contact and its application tools

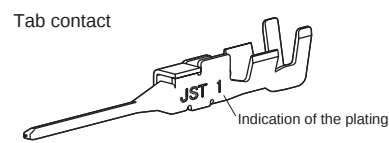
In order to avoid incorrect combination of the hand crimp tools or extraction tools and the contacts, the series name (for example J1 II) and wire range mark (M, ME, L) are shown on both the tools and the contacts.

J1 II	M.....	AWG #28 ~ #24
	ME.....	AWG #24 ~ #20
	L.....	AWG #22 ~ #18

Receptacle contact



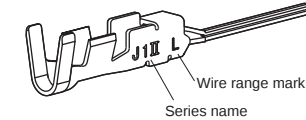
Tab contact



Receptacle contact

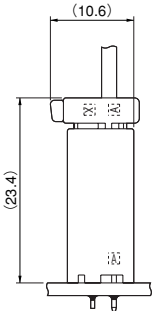
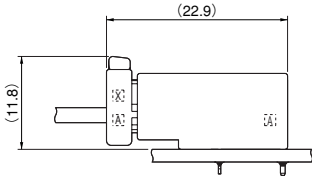
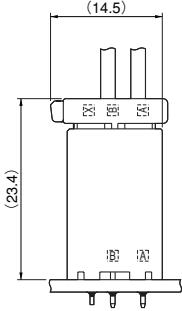
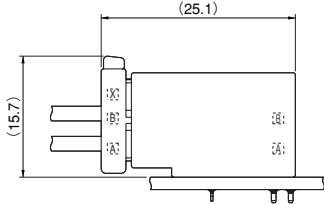
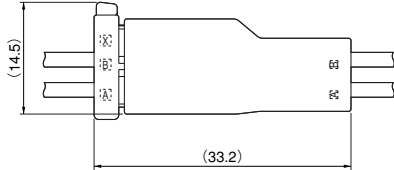


Tab contact



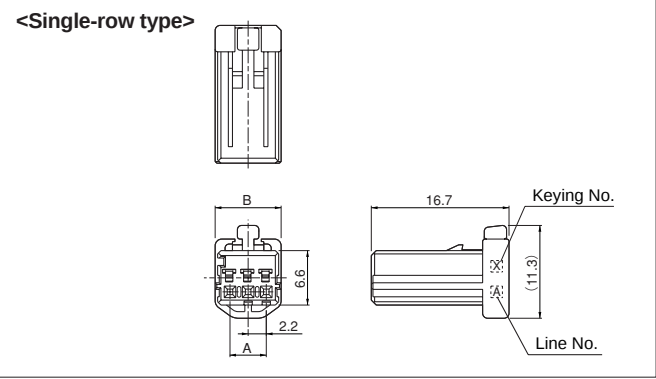
J1000 SERIES/J1100

Assembly layout

Type	Wire-to-board		Wire-to-wire
	Top entry type	Side entry type	Free hanging type
J1100 Single-row type			
J1100 Double-row type			

J1000 SERIES/J1100

Receptacle housing



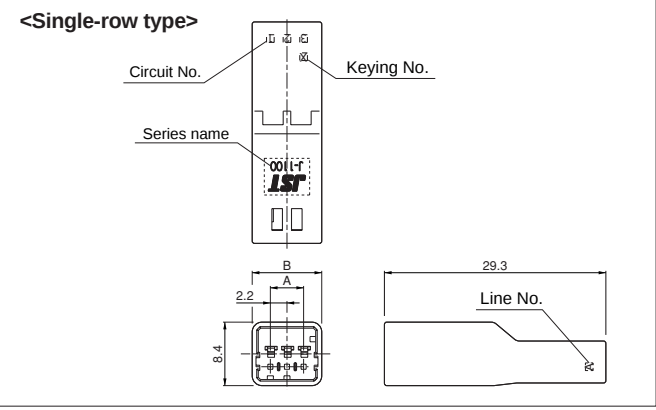
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
3	X	J11SF-03V-KX	4.4	8.0	1,200
	Y	J11SF-03V-KY	4.4	8.0	1,200

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing



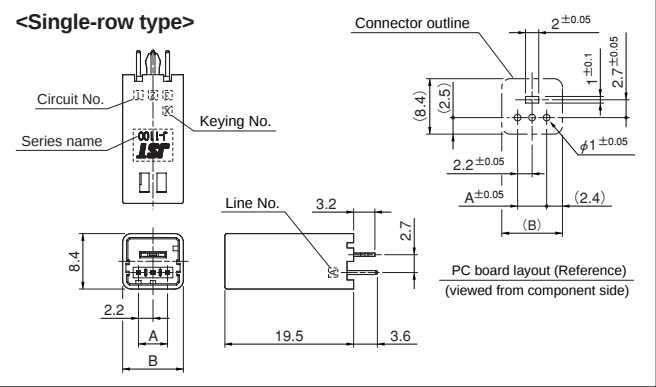
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
3	X	J11SFM-03V-KX	4.4	9.2	500
	Y	—	—	—	—

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Header Top entry type



Circuits	Plating	Keying	Model No.	Dimensions (mm)		Q'ty/box
				A	B	
3	Gold (0.2μm)	X	B03B-J11SK-GWXR	4.4	9.2	625
		Y	B03B-J11SK-GWYR			
	Tin	X	B03B-J11SK-TXR	4.4	9.2	625
		Y	B03B-J11SK-TYR			

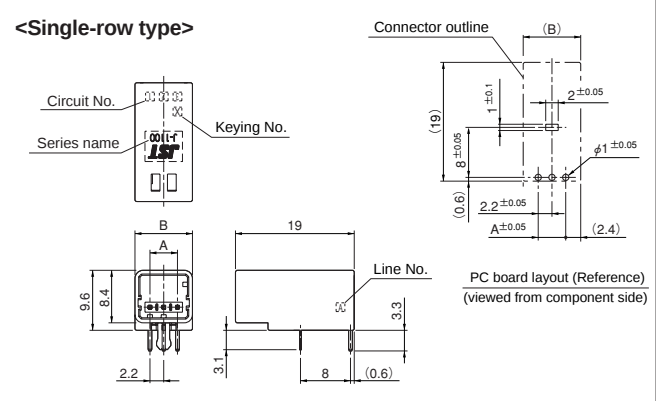
Material and Finish

Post: Copper alloy, gold-plated, tin-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcement: Copper alloy, tin-plated

RoHS2 compliance

Note: 1. Gold-plated product displays (LF) on a label.
2. Contact JST for 0.76 μm gold-plated product.

Header Side entry type



Circuits	Plating	Keying	Model No.	Dimensions (mm)		Q'ty/box
				A	B	
3	Gold (0.2μm)	X	S03B-J11SK-GWXR	4.4	9.2	600
		Y	S03B-J11SK-GWYR			
	Tin	X	S03B-J11SK-TXR	4.4	9.2	600
		Y	S03B-J11SK-TYR			

Material and Finish

Post: Copper alloy, gold-plated, tin-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcement: Copper alloy, tin-plated

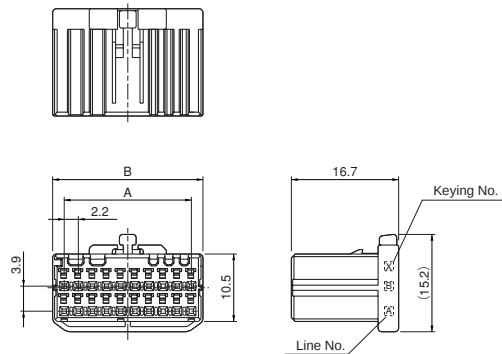
RoHS2 compliance

Note: 1. Gold-plated product displays (LF) on a label.
2. Contact JST for 0.76 μm gold-plated product.

J1000 SERIES/J1100

Receptacle housing

<Double-row type>



Circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
6	X	J11DF-06V-KX	4.4	8.0	800
	Y	J11DF-06V-KY	4.4	8.0	800
8	X	J11DF-08V-KX	6.6	10.2	500
	Y	J11DF-08V-KY	6.6	10.2	500
12	X	J11DF-12V-KX	11.0	14.6	400
	Y	J11DF-12V-KY	11.0	14.6	400
20	X	J11DF-20V-KX	19.8	23.4	250
	Y	J11DF-20V-KY	19.8	23.4	250
22	X	J11DF-22V-KX	22.0	25.6	250
	Y	J11DF-22V-KY	22.0	25.6	250
26	X	J11DF-26V-KX	26.4	30.0	200
	Y	J11DF-26V-KY	26.4	30.0	200
30	X	J11DF-30V-KX	30.8	34.4	180
	Y	J11DF-30V-KY	30.8	34.4	180

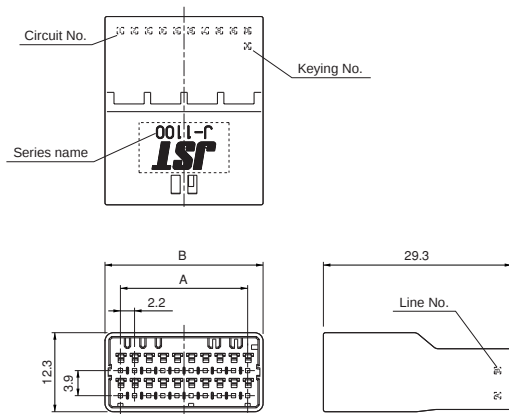
Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Tab housing

<Double-row type>



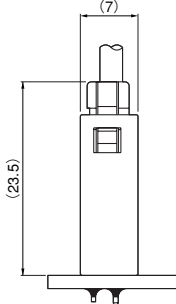
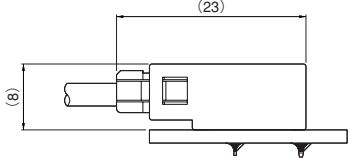
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty/box
			A	B	
6	X	J11DFM-06V-KX	4.4	9.2	400
	Y	J11DFM-06V-KY	4.4	9.2	400
8	X	J11DFM-08V-KX	6.6	11.4	300
	Y	—	—	—	—
12	X	J11DFM-12V-KX	11.0	15.8	200
	Y	—	—	—	—
20	X	J11DFM-20V-KX	19.8	24.6	150
	Y	—	—	—	—
26	X	J11DFM-26V-KX	26.4	31.2	120
	Y	J11DFM-26V-KY	26.4	31.2	120

Material and Finish

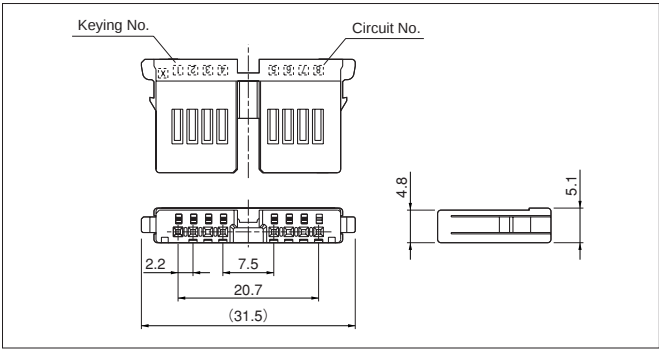
Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Assembly layout

Type	Wire-to-board	
	Top entry type	Side entry type
J1800 Single-row type		

Receptacle housing



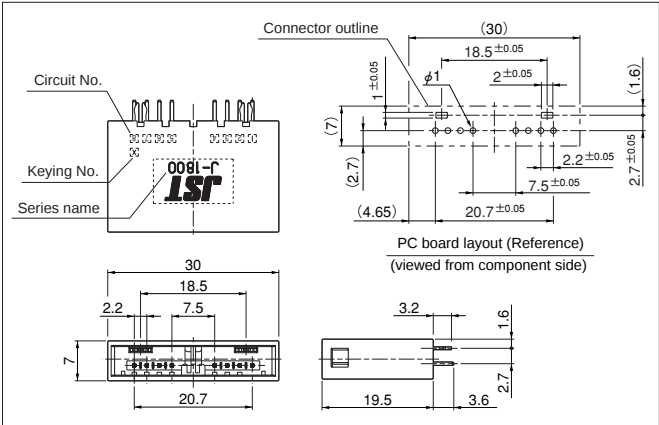
Circuits	Keying	Model No.	Q'ty/box
8	X	J18SF-08V-KX	450
	Y	—	—

Material and Finish

Glass-filled PBT, UL94V-0, black

RoHS2 compliance

Header Top entry type



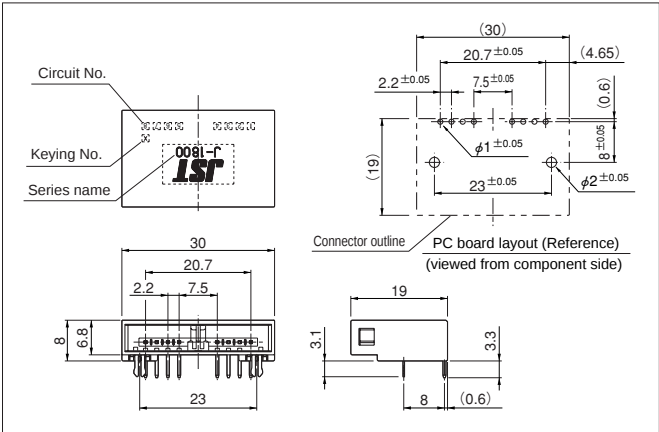
Circuits	Keying	Model No.	Q'ty/box
8	X	B08B-J18SK-TXR	245
	Y	—	—

Material and Finish

Post: Copper alloy, tin-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcement: Copper alloy, tin-plated

RoHS2 compliance

Header Side entry type



Circuits	Keying	Model No.	Q'ty/box
8	X	S08B-J18SK-TXR	220
	Y	—	—

Material and Finish

Post: Copper alloy, tin-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcement: Copper alloy, tin-plated

RoHS2 compliance

JFA CONNECTOR/J1000 SERIES

Model number identification

Receptacle contact

S F1 F - 21 T - P 0.6

Form: S...Strip form

Series name

Kind of terminal: F...Receptacle contact

Applicable wire: 002...AWG #28 ~ AWG #24
01...AWG #24 ~ AWG #20
21...AWG #22 ~ AWG #18

Surface finish: GC...Nickel-undercoated, selective gold-plated (0.2μm)
T...Tin-plated

Material: P...Copper alloy

Terminal size

Tab contact

S F1 M - 21 T - M 0.6 A

Form: S...Strip form

Series name

Kind of terminal: M...Tab contact

Applicable wire: 002...AWG #28 ~ AWG #24
01...AWG #24 ~ AWG #20
21...AWG #22 ~ AWG #18

Surface finish: GC...Nickel-undercoated, selective gold-plated (0.2μm)
T...Tin-plated

Material: M...Copper alloy

Terminal size

Sub model number

Receptacle housing

J11 DF - 06 V - K X

Series name

Type of connector: SF...Single-row type
DF...Double-row type

Circuits: 3, 6, 8, 12, 20, 22, 26, 30

Flammability: V...UL94V-0

Color indication: K...Black

Keying: X...X-Keying, Y...Y-Keying

Tab housing

J11 DFM - 06 V - K X

Series name

Type of connector: SFM...Single-row type
DFM...Double-row type

Circuits: 3, 6, 8, 12, 20, 26

Flammability: V...UL94V-0

Color indication: K...Black

Keying: X...X-Keying, Y...Y-Keying

Header

B 06 B - J11 D K - T X R

PC board mounting direction:
B...Top entry type
S...Side entry type

Circuits: 3, 6, 8, 12, 20, 22, 26, 30

Product name: Header

Series name

Rows: S...Single-row, D...Double-row

Color indication: K...Black

Surface finish: GW...Gold-plated (0.2μm), T...Tin-plated

Keying: X...X-Keying, Y...Y-Keying

Packaging form: R...Tray