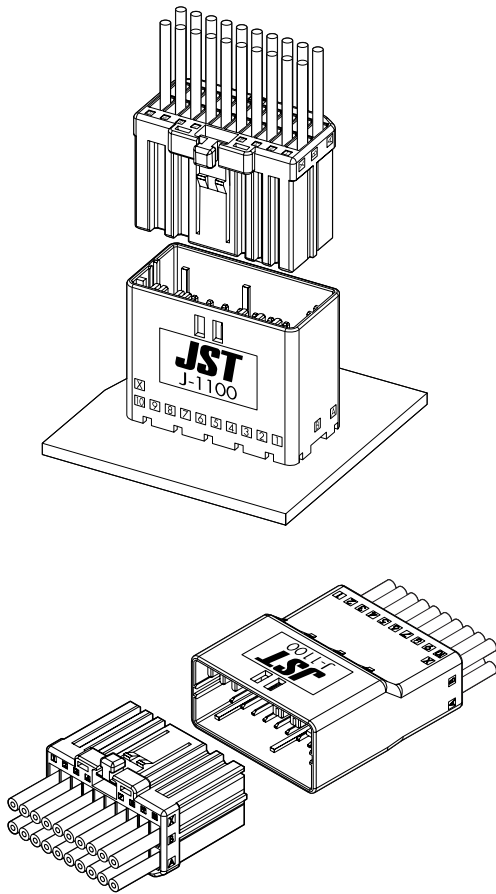


JFA CONNECTOR J1000 SERIES

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



It is a high reliability connector corresponding to demand of the miniaturization of electronic equipment and the wire size of AWG#18.

- Double-spring construction
- Housing lance
- Clear "click feeling"

Specifications

- Current rating: Refer to the following matrix table.
- Voltage rating: 125V AC, DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire: AWG #28 to #18 (0.08 to 0.82mm²)
(Tin-plated annealed copper wire [stranded wire])
(Insulation O.D./0.85 to 2.1mm)
- Applicable PC board thickness: 1.6mm

*Contact JST for details.

*Compliant with RoHS.

Current rating

Unit: A

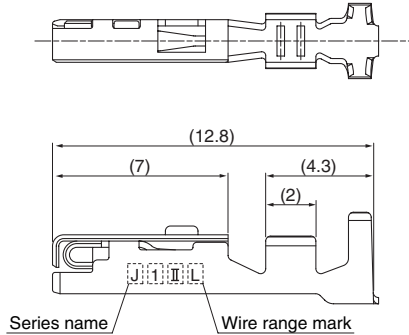
Circuits	Wire size (AWG)					
	#18	#20	#22	#24	#26	#28
1 (Note)	6.8	5.9	5.0	4.2	3.2	2.5
3	6.2	5.2	4.6	3.6	3.1	2.5
6	5.5	4.6	4.0	3.0	2.5	2.1
8	5.5	4.6	4.0	3.0	2.4	2.0
12	4.7	3.9	3.4	2.6	2.1	1.7
20	3.9	3.3	2.9	2.2	1.8	1.6

Note: Current rating value when applying only to 1-circuit of 3-circuit connector.

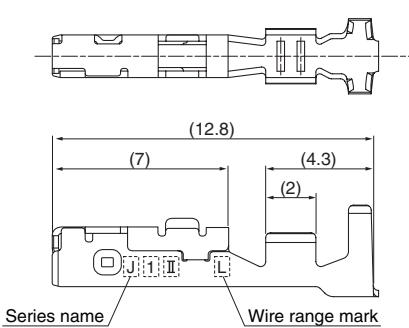
JFA CONNECTOR/J1000 SERIES

Receptacle contact

Tin-plated



Gold-plated



Strip contact Model No.	Applicable wire			Insulation O.D. (mm)	Q'ty / reel
	Nominal	mm ²	AWG#		
SF1F-002 (*) -P0.6	M	0.08~0.22	28~24	0.85~1.43	—
SF1F-21 (*) -P0.6	L	0.30~0.82	22~18	1.60~2.10	5,000

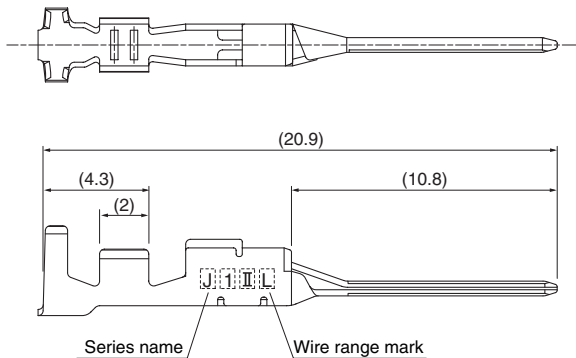
Material and Finish

Copper alloy, tin-plated, gold-plated

RoHS compliance

Note: Finish(*):TTin-plated
GC ...Gold-plated

Tab contact



Strip contact Model No.	Applicable wire			Insulation O.D. (mm)	Q'ty / reel
	Nominal	mm ²	AWG#		
SF1M-002 (*) -M0.6A	M	0.08~0.22	28~24	0.85~1.43	—
SF1M-21 (*) -M0.6A	L	0.30~0.82	22~18	1.60~2.10	5,000

Material and Finish

Copper alloy, tin-plated, gold-plated

RoHS compliance

Note: Finish(*):TTin-plated
GC ...Gold-plated

Crimping machine, Applicator

Strip contact Model No.	Crimping machine	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	Refer to page 15, 16.
SF1M-002 (*) -M0.6A		—	—	—	
SF1F-21 (*) -P0.6	AP-K2N	MKS-L	MK/SF1F/M-21-06	APLMK SF1F/M21-06	Refer to page 15, 16.
SF1M-21 (*) -M0.6A		—	—	—	

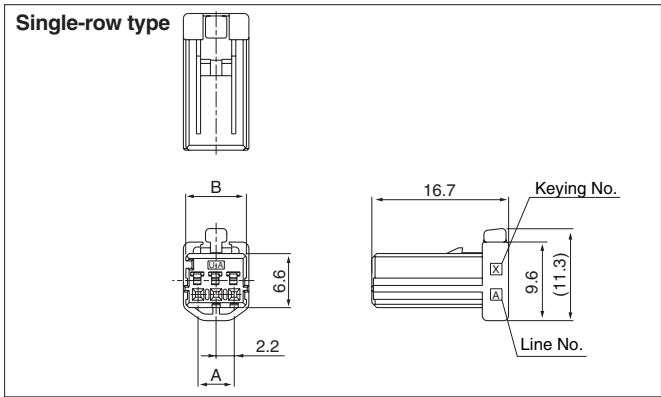
- Extraction tool for J1000 series: EJ-JFAJ1100
- Hand crimp tool uses the YRK series and refer to page 15, 16 of YRK series hand crimping tools for details.

Note 1. Contact JST for fully automatic crimping applicator.

2. Finish(*):TTin-plated
GC ...Gold-plated

J1000 SERIES/J1100

Receptacle housing



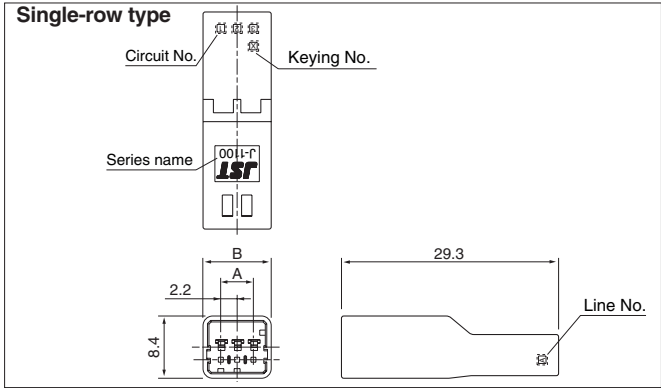
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty / box
			A	B	
3	X	J11SF-03V-KX	4.4	7.4	1,200
	Y	J11SF-03V-KY	4.4	7.4	1,200

Material

Glass-filled PBT, UL94V-0, black

RoHS compliance

Tab housing



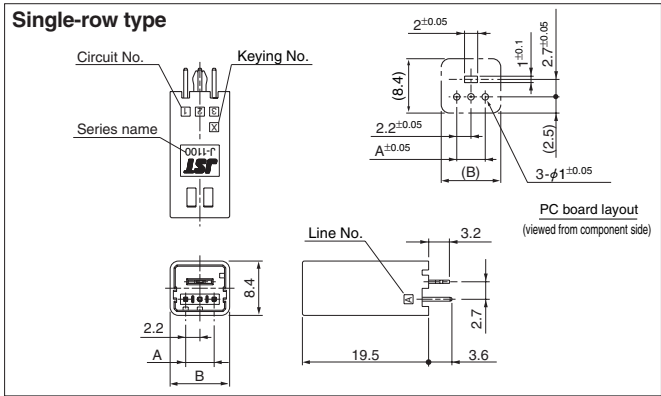
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty / box
			A	B	
3	X	J11SFM-03V-KX	4.4	9.2	500
	Y	J11SFM-03V-KY	4.4	9.2	500

Material

Glass-filled PBT, UL94V-0, black

RoHS compliance

Header Top entry type (Center locking type)



Circuits	Keying	Model No.	Dimensions (mm)		Q'ty / box
			A	B	
3	X	B03B-J11SK-(*)XR	4.4	9.2	625
	Y	B03B-J11SK-(*)YR	4.4	9.2	625

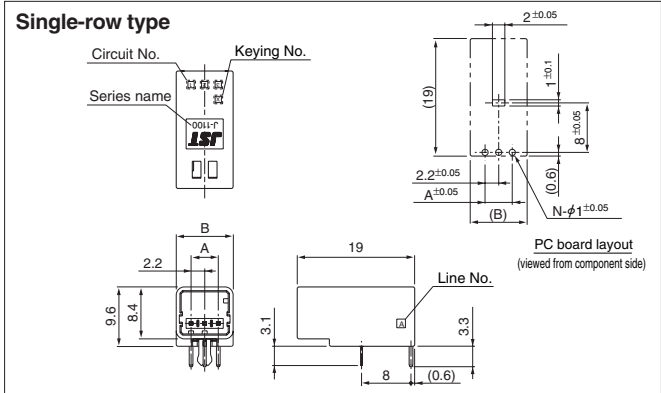
Material and Finish

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

RoHS compliance

Gold-plated product displays (LF) on a label.
Note: Finish(*):TTin-plated
GW ...Gold-plated

Header Side entry type (Center locking type)



Circuits	Keying	Model No.	Dimensions (mm)		Q'ty / box
			A	B	
3	X	S03B-J11SK-(*)XR	4.4	9.2	600
	Y	S03B-J11SK-(*)YR	4.4	9.2	600

Material and Finish

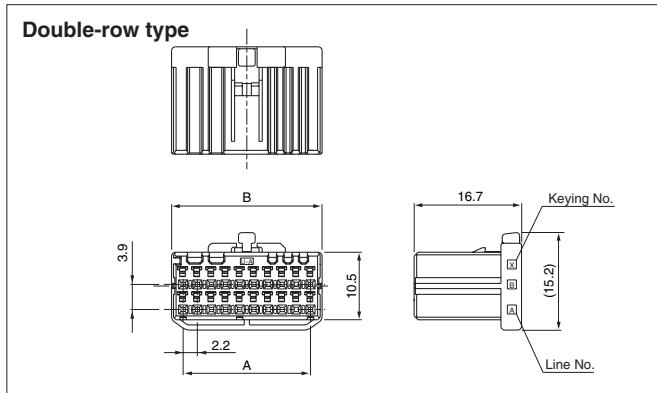
Post: Copper alloy, tin-plated, gold-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcing metal fixture: Copper alloy, tin-plated

RoHS compliance

Gold-plated product displays (LF) on a label.
Note: Finish(*):TTin-plated
GW ...Gold-plated

J1000 SERIES/J1100

Receptacle housing



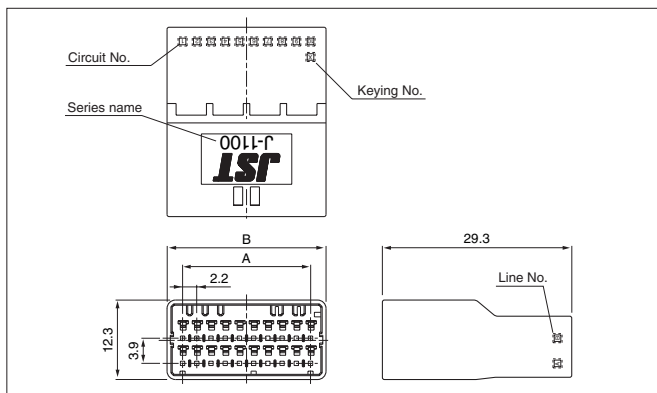
Circuits	Keying	Model No.	Dimensions (mm)		Q'ty / box
			A	B	
6	X	J11DF-06V-KX	4.4	8.0	800
	Y	J11DF-06V-KY	4.4	8.0	800
8	X	J11DF-08V-KX	6.6	10.2	500
	Y	J11DF-08V-KY	6.6	10.2	500
12	X	J11DF-12V-KX	11.0	14.6	400
	Y	J11DF-12V-KY	11.0	14.6	400
20	X	J11DF-20V-KX	19.8	23.4	250
	Y	J11DF-20V-KY	19.8	23.4	250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

Material

Glass-filled PBT, UL94V-0, black

RoHS compliance

Tab housing



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

Material

Glass-filled PBT, UL94V-0, black

RoHS 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 21...AWG#22 ~ AWG#18								
Surface finish: T...Tin-plated, GC...Gold-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 21...AWG#22 ~ AWG#18									
Surface finish: T...Tin-plated, GC...Gold-plated									
Material: M...Copper alloy									
Terminal size									
Auxiliary mark									

Receptacle housing

	J11	DF	- 06	V	-	K	X
Series name							
Type of connector: SF...Single-row type DF...Double-row type							
No. of circuits: 3, 6, 8, 12, 20							
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							
No. of circuits: 3, 6, 8, 12, 20							
Flammability: V...UL94V-0							
Color indication: K...Black							
Keying: X...X-Keying							

Header

	B	06	B	-	J11	D	K	-	T	X	R
PC board mounting direction: B...Top entry type, S...Side entry type											
No. of circuits: 3, 6, 8, 12, 20											
Product name: Header											
Series name											
Rows: S...Single-row, D...Double-row											
Color indication: K...Black											
Surface finish: T...Tin-plated, GW...Gold-plated											
Keying: X...X-Keying, Y...Y-Keying											
Packaging form: R...Tray, M...Magazine stick											