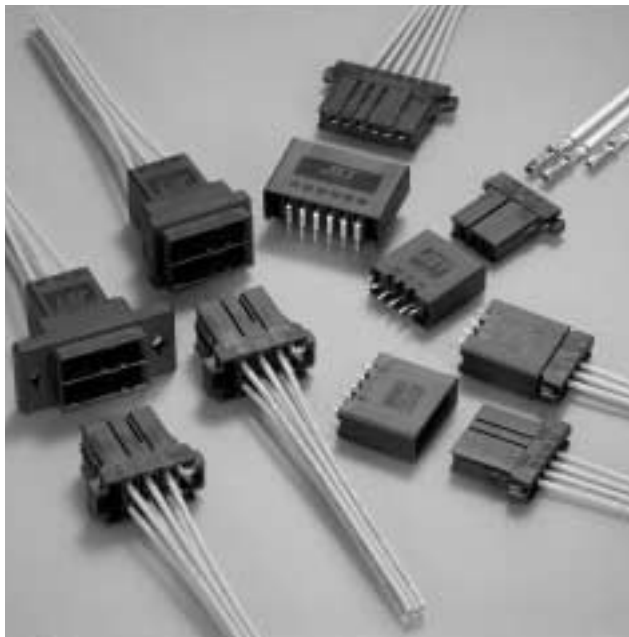
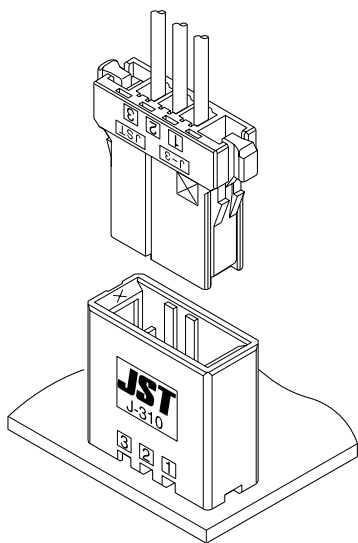


# JFA CONNECTOR

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



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



## Features

### • Double-spring construction

For superior contact reliability, the receptacle contact has a double-spring construction consisting of a main spring and a contact pressure adjustment spring.

In addition, a spring stopper is incorporated in the connector to facilitate resistance to excessive pressure.

### • Housing lances

Lances are incorporated into the housing design to secure the contacts, therefore keeping contact insertion force low and avoiding contact deformation.

### • Secure locking method

When housings are mated, a clear locking sound can be heard to ensure secure engagement.

### • Recognition mark

Both contacts and application tools have identification marks to prevent incorrect combinations.

## Specifications

- Current rating: 10.5A max. AC, DC (AWG #16)  
15A max. AC, DC (AWG #14) [under developing]
  - Voltage rating: 310 series [3.81mm(.150")pitch] 250V AC  
320 series [5.08mm(.200")pitch] 600V AC
  - Temperature range: -55°C to +105 °C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/5m max.  
After environmental testing/10m max.
  - Insulation resistance: 1,000M min.
  - Withstanding voltage: 310 series [3.81mm(.150")pitch]1,500V AC/minute  
320 series [5.08mm(.200")pitch]2,200V AC/minute
  - Applicable wire: AWG #28 to #16  
AWG #16 to #14 [under developing]
  - Applicable PC board thickness: 1.6 to 2.4mm(.063" to .094")
- \* Contact JST for details.

## Standards

Recognized E60389

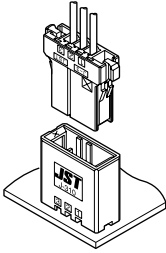
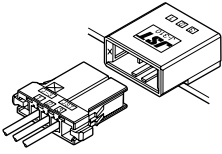
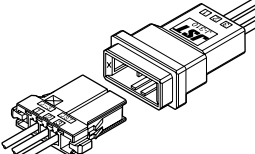
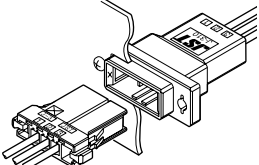
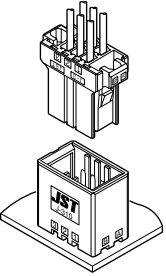
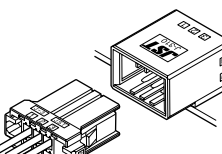
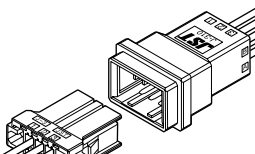
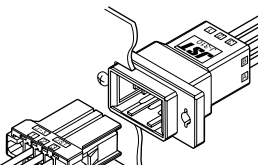
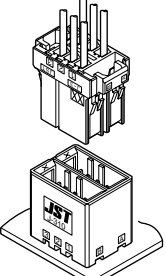
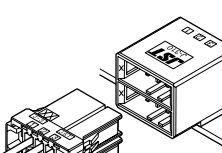
Certified LR20812

P-2-50003850

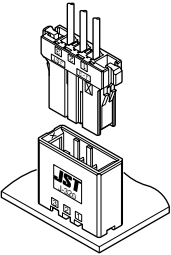
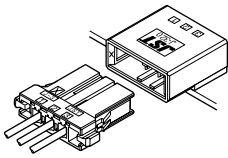
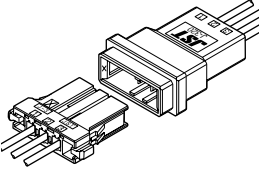
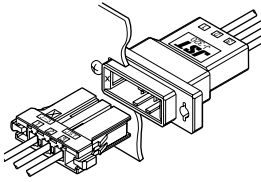
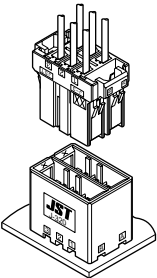
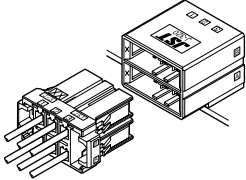
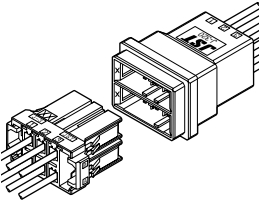
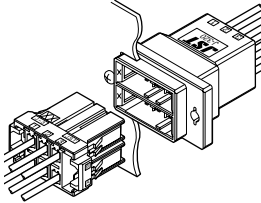
For J310S series top entry wire-to-board type only. The others are under application.

# JFA CONNECTOR

## List of J300 series products

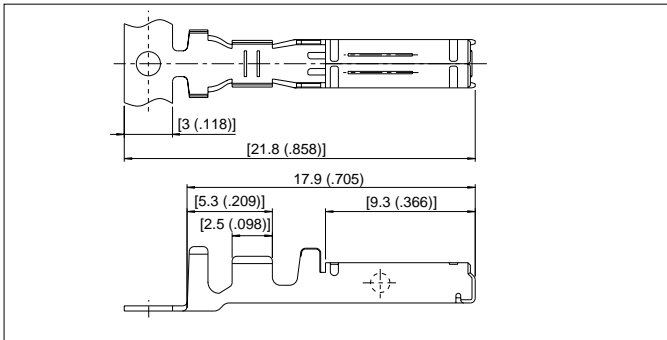
Type	J310 Series [3.81mm(.150") pitch]			
	Wire to Board		Wire to Wire	
	Top entry type	Side entry type	Free hanging type	Panel mounting type
Single-row type				
Circuits	3, 4, 5, 6, 8, 10	3, 4, 5, 6, 8, 10	3, 5, 8, 10	3, 5, 8, 10
Double-row type [line pitch 5.08mm(.200")]				
Circuits	6, 8, 10, 12, 16, 20	6, 8, 10, 12, 16, 20	6, 8, 10, 12, 16, 20	6, 8, 10, 12, 16, 20
Double-row module type [line pitch 7.62mm(.300")]				
Circuits	6	6		

# JFA CONNECTOR

J320 Series [5.08mm(.200") pitch]				Type
Wire to Board		Wire to Wire		
Top entry type	Side entry type	Free hanging type	Panel mounting type	
				Single-row type
2, 3, 4, 5, 6	2, 3, 4, 5, 6	2, 3, 4	2, 3, 4	Circuits
				Double-row type [line pitch 5.08mm(.200")]
				Circuits
				Double-row module type [line pitch 7.62mm(.300")]
6, 10, 12	6, 10, 12	6, 12	6, 12	Circuits

# JFA CONNECTOR

## Receptacle contact

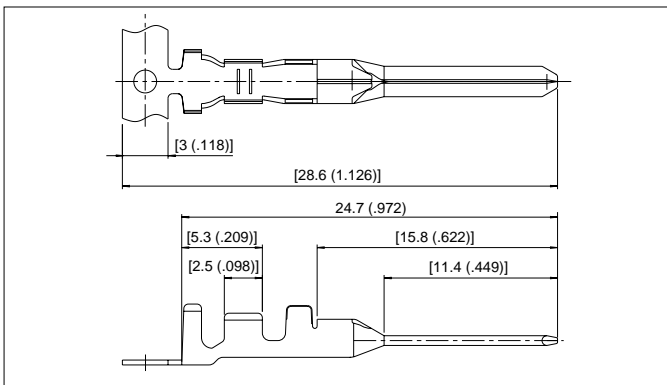


Model No.				Applicable wire			Wire Insulation
Strip form	Q'ty/reel	Loose piece	Q'ty/box	Nominal	mm <sup>2</sup>	AWG#	O.D. mm (in.)
SF3F-002GF-P2.0	3,700	BF3F-002GF-P2.0	1,000	S	0.08 to 0.20	28 to 24	0.8 to 1.4 (.031 to .055)
SF3F-01GF-P2.0	3,700	BF3F-01GF-P2.0	1,000	M	0.20 to 0.50	24 to 20	1.2 to 2.6 (.047 to .102)
SF3F-41GF-P2.0	3,300	LF3F-41GF-P2.0	1,000	L	0.50 to 1.25	20 to 16	1.8 to 2.8 (.071 to .110)
under developing	-	under developing	-	2L	1.25 to 2.2	16 to 14	3.1 to 3.4 (.122 to .134)

### Material and Finish

Copper alloy (superior conductivity), gold-plated  
tin-plated (under planning)

## Tab contact



Model No.				Applicable wire			Wire Insulation
Strip form	Q'ty/reel	Loose piece	Q'ty/box	Nominal	mm <sup>2</sup>	AWG#	O.D. mm (in.)
SF3M-002GF-M2.0N	3,700	BF3M-002GF-M2.0N	1,000	S	0.08 to 0.20	28 to 24	0.8 to 1.4 (.031 to .055)
SF3M-01GF-M2.0N	3,700	BF3M-01GF-M2.0N	1,000	M	0.20 to 0.50	24 to 20	1.2 to 2.6 (.047 to .102)
SF3M-41GF-M2.0N	3,300	LF3M-41GF-M2.0N	1,000	L	0.50 to 1.25	20 to 16	1.8 to 2.8 (.071 to .110)
under developing	-	under developing	-	2L	1.25 to 2.2	16 to 14	3.1 to 3.4 (.122 to .134)

### Material and Finish

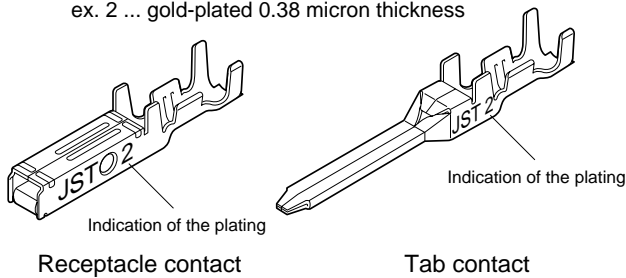
Copper alloy (superior conductivity), gold-plated  
tin-plated (under planning)

## Recognition mark

### ● Plating of the contact

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

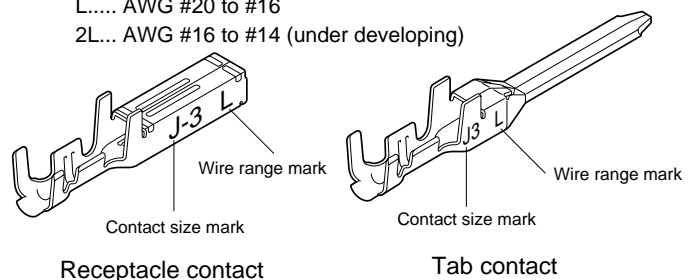
ex. 2 ... gold-plated 0.38 micron thickness



### ● Common marking on the contact and its application tools

In order to avoid incorrect combination of the hand crimp tools and the contacts, the contact size mark (J-3) and wire range mark (S, M, L, 2L) are shown on both the tools and the contacts.

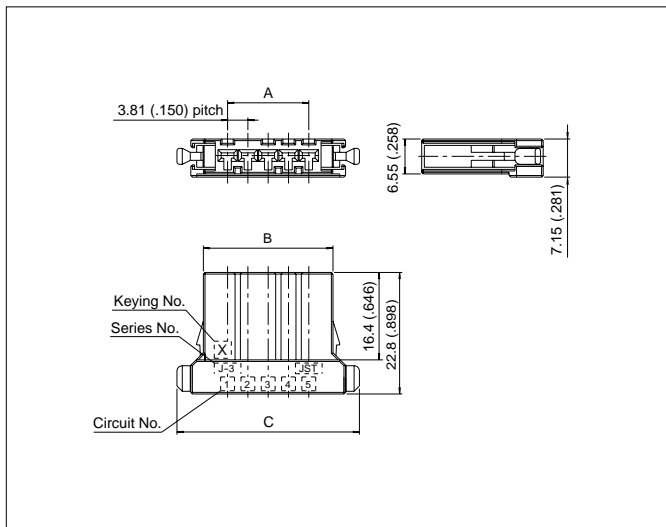
- J-3 S.... AWG #28 to #24
- M.... AWG #24 to #20
- L.... AWG #20 to #16
- 2L... AWG #16 to #14 (under developing)



## Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		Crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SF3F-002GF-P2.0	APLMK SF3F/M002-20	APLMK SF3F/M002-20	-	-	-
SF3M-002GF-M2.0N	APLMK SF3F/M002-20	APLMK SF3F/M002-20	-	-	-
SF3F-01GF-P2.0	APLMK SF3F/M01-20	APLMK SF3F/M01-20	-	-	-
SF3M-01GF-M2.0N	APLMK SF3F/M01-20	APLMK SF3F/M01-20	-	-	-
SF3F-41GF-P2.0	APLMK SF3F/M41-20	APLMK SF3F/M41-20	-	-	-
SF3M-41GF-M2.0N	APLMK SF3F/M41-20	APLMK SF3F/M41-20	-	-	-

## Receptacle housing

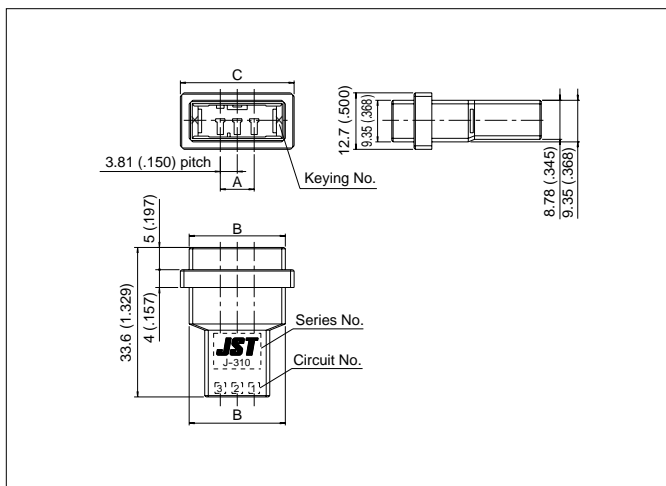


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
3	X	<b>F31FSS-03V-KX</b>	7.62( .300)	16.70( .657)	26.62(1.048)	200
	Y	<b>F31FSS-03V-KY</b>	7.62( .300)	16.70( .657)	26.62(1.048)	200
4	X	<b>F31FSS-04V-KX</b>	11.43( .450)	20.51( .807)	30.43(1.198)	200
	Y	<b>F31FSS-04V-KY</b>	11.43( .450)	20.51( .807)	30.43(1.198)	200
5	X	<b>F31FSS-05V-KX</b>	15.24( .600)	24.32( .957)	34.24(1.348)	200
	Y	<b>F31FSS-05V-KY</b>	15.24( .600)	24.32( .957)	34.24(1.348)	200
6	X	<b>F31FSS-06V-KX</b>	19.05( .750)	28.13(1.107)	38.05(1.498)	200
	Y	<b>F31FSS-06V-KY</b>	19.05( .750)	28.13(1.107)	38.05(1.498)	200
8	X	<b>F31FSS-08V-KX</b>	26.67(1.050)	35.75(1.407)	45.67(1.798)	100
	Y	<b>F31FSS-08V-KY</b>	26.67(1.050)	35.75(1.407)	45.67(1.798)	100
10	X	<b>F31FSS-10V-KX</b>	34.29(1.350)	43.37(1.707)	53.29(2.098)	100
	Y	<b>F31FSS-10V-KY</b>	34.29(1.350)	43.37(1.707)	53.29(2.098)	100

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Free hanging type)

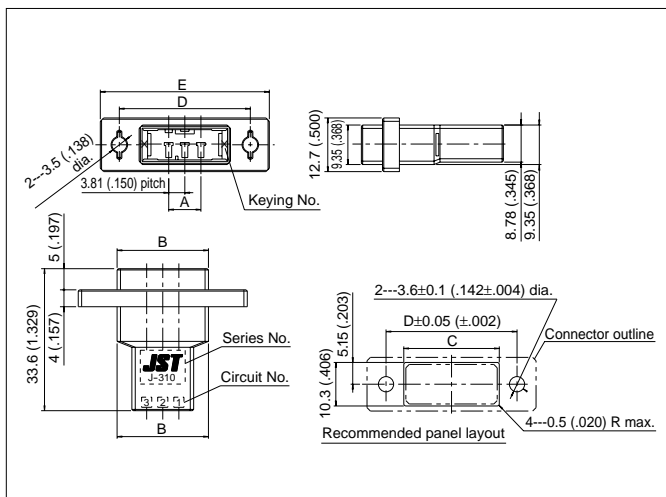


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
3	X	<b>F31MSF-03V-KX</b>	7.62( .300)	21.62( .851)	25.57(1.007)	200
	Y	<b>F31MSF-03V-KY</b>	7.62( .300)	21.62( .851)	25.57(1.007)	200
5	X	<b>F31MSF-05V-KX</b>	15.24( .600)	29.24(1.151)	33.19(1.307)	200
	Y	<b>F31MSF-05V-KY</b>	15.24( .600)	29.24(1.151)	33.19(1.307)	200
8	X	<b>F31MSF-08V-KX</b>	26.67(1.050)	40.67(1.601)	44.62(1.757)	100
	Y	<b>F31MSF-08V-KY</b>	26.67(1.050)	40.67(1.601)	44.62(1.757)	100
10	X	<b>F31MSF-10V-KX</b>	34.29(1.350)	48.29(1.901)	52.24(2.057)	100
	Y	<b>F31MSF-10V-KY</b>	34.29(1.350)	48.29(1.901)	52.24(2.057)	100

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Panel mounting type)



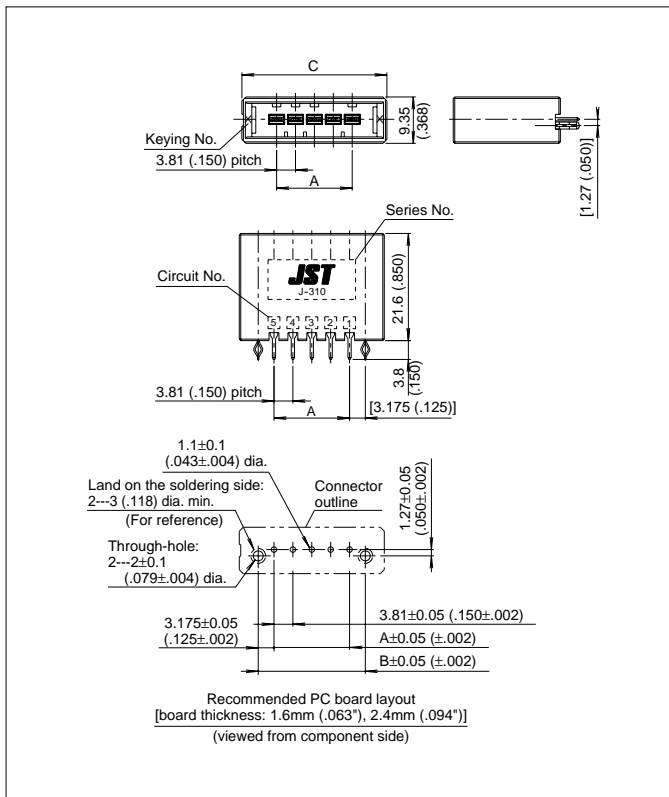
Circuits	Keying	Model No.	Dimensions mm(in.)					Q'ty / bag
			A	B	C	D	E	
3	X	<b>F31MSP-03V-KX</b>	7.62( .300)	21.62( .851)	22.60( .890)	31.00(1.220)	40.00(1.575)	200
	Y	<b>F31MSP-03V-KY</b>	7.62( .300)	21.62( .851)	22.60( .890)	31.00(1.220)	40.00(1.575)	200
5	X	<b>F31MSP-05V-KX</b>	15.24( .600)	29.24(1.151)	30.20(1.189)	38.00(1.496)	47.00(1.850)	200
	Y	<b>F31MSP-05V-KY</b>	15.24( .600)	29.24(1.151)	30.20(1.189)	38.00(1.496)	47.00(1.850)	200
8	X	<b>F31MSP-08V-KX</b>	26.67(1.050)	40.67(1.601)	41.60(1.638)	50.00(1.969)	59.00(2.323)	100
	Y	<b>F31MSP-08V-KY</b>	26.67(1.050)	40.67(1.601)	41.60(1.638)	50.00(1.969)	59.00(2.323)	100
10	X	<b>F31MSP-10V-KX</b>	34.29(1.350)	48.29(1.901)	49.20(1.937)	58.00(2.283)	67.00(2.638)	100
	Y	<b>F31MSP-10V-KY</b>	34.29(1.350)	48.29(1.901)	49.20(1.937)	58.00(2.283)	67.00(2.638)	100

### Material

Glass-filled PBT, UL94V-0, black

# JFA CONNECTOR/J310S

## Header (Top entry type)



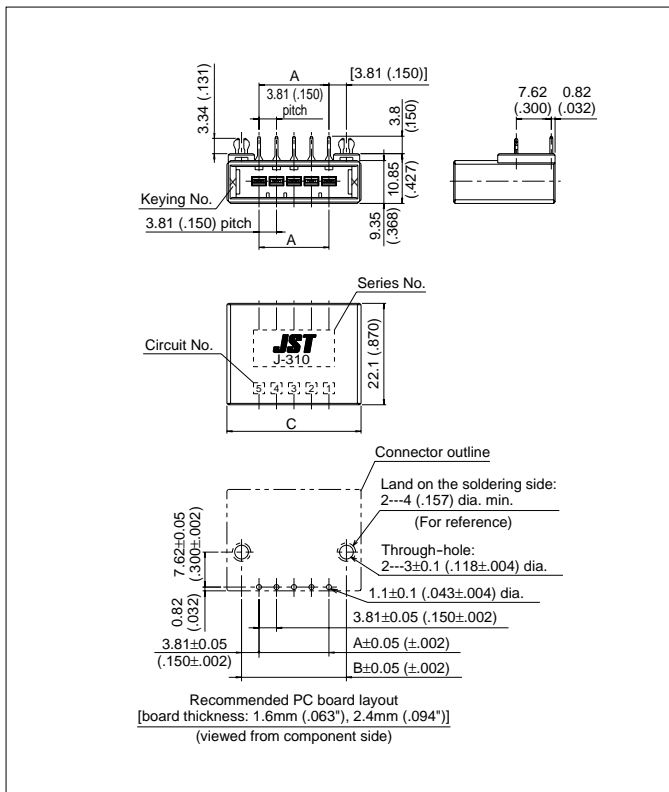
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
3	X	<b>B03B-F31SK-GGXR</b>	7.62( .300)	13.97( .550)	21.62( .851)	220
	Y	<b>B03B-F31SK-GGYR</b>	7.62( .300)	13.97( .550)	21.62( .851)	220
4	X	<b>B04B-F31SK-GGXR</b>	11.43( .450)	17.78( .700)	25.43(1.001)	180
	Y	<b>B04B-F31SK-GGYR</b>	11.43( .450)	17.78( .700)	25.43(1.001)	180
5	X	<b>B05B-F31SK-GGXR</b>	15.24( .600)	21.59( .850)	29.24(1.151)	160
	Y	<b>B05B-F31SK-GGYR</b>	15.24( .600)	21.59( .850)	29.24(1.151)	160
6	X	<b>B06B-F31SK-GGXR</b>	19.05( .750)	25.40(1.000)	33.05(1.301)	140
	Y	<b>B06B-F31SK-GGYR</b>	19.05( .750)	25.40(1.000)	33.05(1.301)	140
8	X	<b>B08B-F31SK-GGXR</b>	26.67(1.050)	33.02(1.300)	40.67(1.601)	120
	Y	<b>B08B-F31SK-GGYR</b>	26.67(1.050)	33.02(1.300)	40.67(1.601)	120
10	X	<b>B10B-F31SK-GGXR</b>	34.29(1.350)	40.64(1.600)	48.29(1.901)	100
	Y	<b>B10B-F31SK-GGYR</b>	34.29(1.350)	40.64(1.600)	48.29(1.901)	100

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
Header housing: Glass-filled PBT, UL94V-0, black  
Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Header (Side entry type)



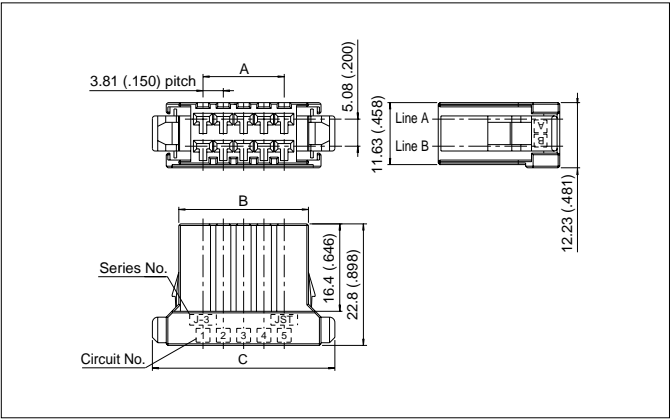
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
3	X	<b>S03B-F31SK-GGXR</b>	7.62( .300)	15.24( .600)	21.62( .851)	165
	Y	<b>S03B-F31SK-GGYR</b>	7.62( .300)	15.24( .600)	21.62( .851)	165
4	X	<b>S04B-F31SK-GGXR</b>	11.43( .450)	19.05( .750)	25.43(1.001)	135
	Y	<b>S04B-F31SK-GGYR</b>	11.43( .450)	19.05( .750)	25.43(1.001)	135
5	X	<b>S05B-F31SK-GGXR</b>	15.24( .600)	22.86( .900)	29.24(1.151)	120
	Y	<b>S05B-F31SK-GGYR</b>	15.24( .600)	22.86( .900)	29.24(1.151)	120
6	X	<b>S06B-F31SK-GGXR</b>	19.05( .750)	26.67(1.050)	33.05(1.301)	105
	Y	<b>S06B-F31SK-GGYR</b>	19.05( .750)	26.67(1.050)	33.05(1.301)	105
8	X	<b>S08B-F31SK-GGXR</b>	26.67(1.050)	34.29(1.350)	40.67(1.601)	90
	Y	<b>S08B-F31SK-GGYR</b>	26.67(1.050)	34.29(1.350)	40.67(1.601)	90
10	X	<b>S10B-F31SK-GGXR</b>	34.29(1.350)	41.91(1.650)	48.29(1.901)	75
	Y	<b>S10B-F31SK-GGYR</b>	34.29(1.350)	41.91(1.650)	48.29(1.901)	75

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
Header housing: Glass-filled PBT, UL94V-0, black  
Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Receptacle housing

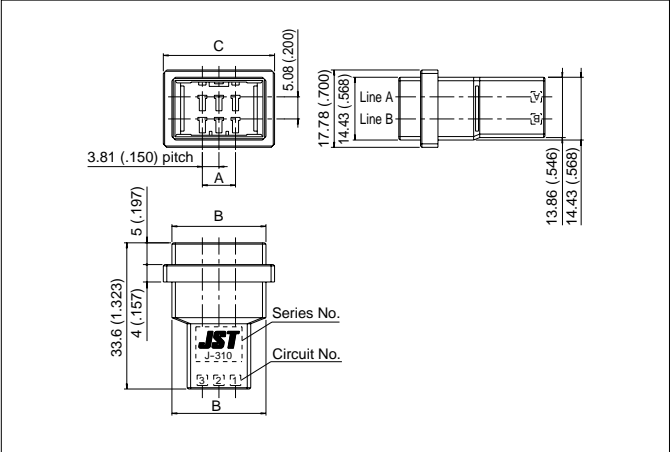


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
6	-	<b>F31FDS-06V-K</b>	7.62( .300)	16.70( .657)	26.62(1.048)	200
8	-	<b>F31FDS-08V-K</b>	11.43( .450)	20.51( .807)	30.43(1.198)	100
10	-	<b>F31FDS-10V-K</b>	15.24( .600)	24.32( .957)	34.24(1.348)	100
12	-	<b>F31FDS-12V-K</b>	19.05( .750)	28.13(1.107)	38.05(1.498)	100
16	-	<b>F31FDS-16V-K</b>	26.67(1.050)	35.75(1.407)	45.67(1.798)	100
20	-	<b>F31FDS-20V-K</b>	34.29(1.350)	43.37(1.707)	53.29(2.098)	100

**Material**

Glass-filled PBT, UL94V-0, black

## Tab housing (Free hanging type)

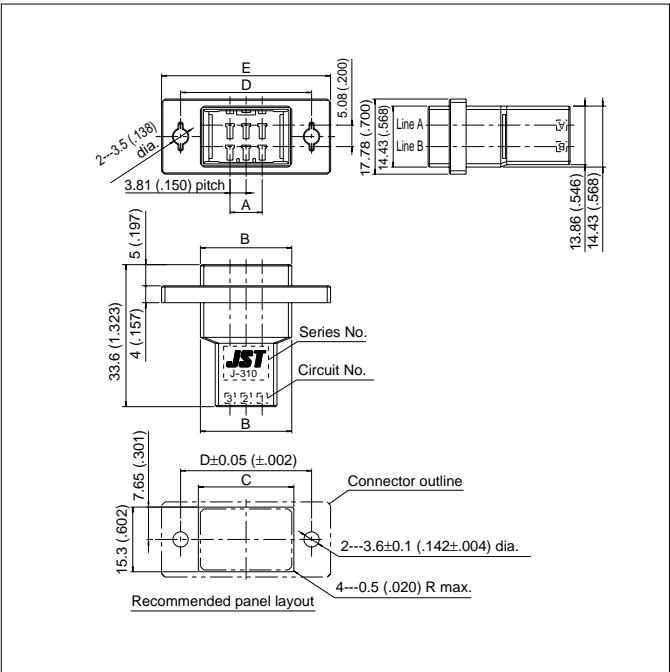


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
6	-	<b>F31MDF-06V-K</b>	7.62( .300)	21.62( .851)	25.57(1.007)	200
8	-	<b>F31MDF-08V-K</b>	11.43( .450)	25.43(1.001)	29.38(1.157)	100
10	-	<b>F31MDF-10V-K</b>	15.24( .600)	29.24(1.151)	33.19(1.307)	100
12	-	<b>F31MDF-12V-K</b>	19.05( .750)	33.05(1.301)	37.00(1.457)	100
16	-	<b>F31MDF-16V-K</b>	26.67(1.050)	40.67(1.601)	44.62(1.757)	100
20	-	<b>F31MDF-20V-K</b>	34.29(1.350)	48.29(1.901)	52.24(2.057)	100

**Material**

Glass-filled PBT, UL94V-0, black

## Tab housing (Panel mounting type)



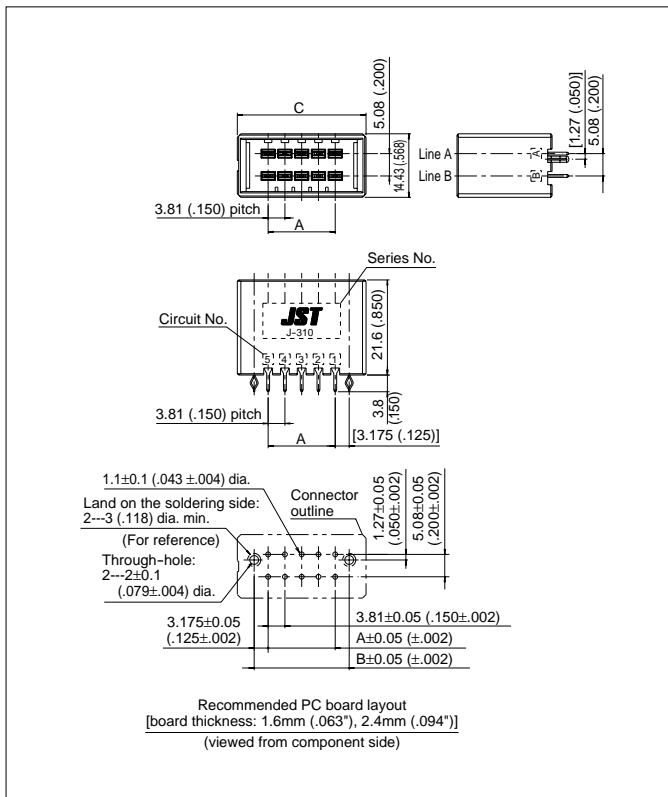
Circuits	Keying	Model No.	Dimensions mm(in.)					Q'ty / bag
			A	B	C	D	E	
6	-	<b>F31MDP-06V-K</b>	7.62( .300)	21.62( .851)	22.60( .890)	31.00(1.220)	40.00(1.575)	200
8	-	<b>F31MDP-08V-K</b>	11.43( .450)	25.43(1.001)	26.40(1.039)	34.50(1.358)	43.50(1.713)	100
10	-	<b>F31MDP-10V-K</b>	15.24( .600)	29.24(1.151)	30.20(1.189)	38.00(1.496)	47.00(1.850)	100
12	-	<b>F31MDP-12V-K</b>	19.05( .750)	33.05(1.301)	34.00(1.339)	42.00(1.654)	51.00(2.008)	100
16	-	<b>F31MDP-16V-K</b>	26.67(1.050)	40.67(1.601)	41.60(1.638)	50.00(1.969)	59.00(2.323)	100
20	-	<b>F31MDP-20V-K</b>	34.29(1.350)	48.29(1.901)	49.20(1.937)	58.00(2.283)	67.00(2.638)	100

**Material**

Glass-filled PBT, UL94V-0, black

# JFA CONNECTOR/J310D

## Header (Top entry type)



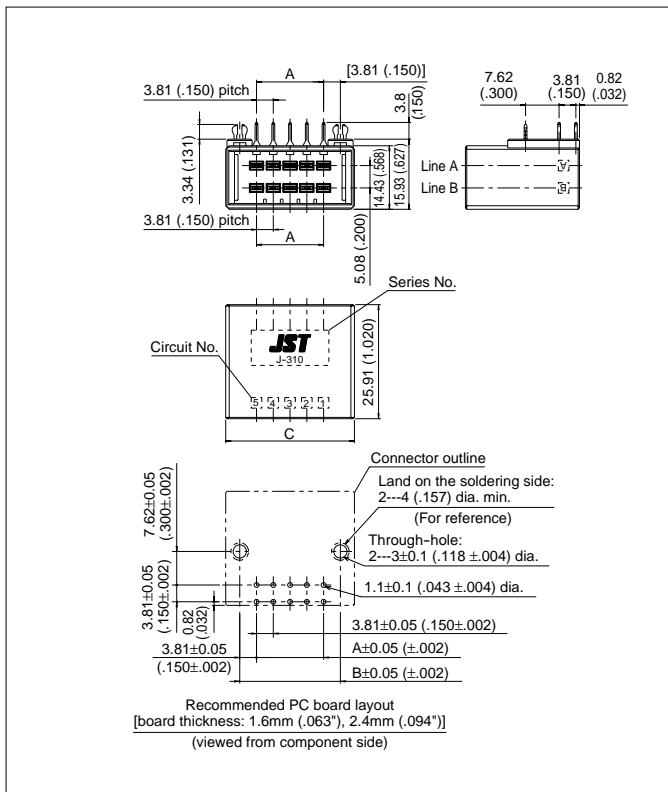
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
6	-	<b>B06B-F31DK-GGR</b>	7.62( .300)	13.97( .550)	21.62( .851)	132
8	-	<b>B08B-F31DK-GGR</b>	11.43( .450)	17.78( .700)	25.43(1.001)	108
10	-	<b>B10B-F31DK-GGR</b>	15.24( .600)	21.59( .850)	29.24(1.151)	96
12	-	<b>B12B-F31DK-GGR</b>	19.05( .750)	25.40(1.000)	33.05(1.301)	84
16	-	<b>B16B-F31DK-GGR</b>	26.67(1.050)	33.02(1.300)	40.67(1.601)	72
20	-	<b>B20B-F31DK-GGR</b>	34.29(1.350)	40.64(1.600)	48.29(1.901)	60

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
 Header housing: Glass-filled PBT, UL94V-0, black  
 Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Header (Side entry type)



Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
6	-	<b>S06B-F31DK-GGR</b>	7.62( .300)	15.24( .600)	21.62( .851)	88
8	-	<b>S08B-F31DK-GGR</b>	11.43( .450)	19.05( .750)	25.43(1.001)	72
10	-	<b>S10B-F31DK-GGR</b>	15.24( .600)	22.86( .900)	29.24(1.151)	64
12	-	<b>S12B-F31DK-GGR</b>	19.05( .750)	26.67(1.050)	33.05(1.301)	56
16	-	<b>S16B-F31DK-GGR</b>	26.67(1.050)	34.29(1.350)	40.67(1.601)	48
20	-	<b>S20B-F31DK-GGR</b>	34.29(1.350)	41.91(1.650)	48.29(1.901)	40

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
 Header housing: Glass-filled PBT, UL94V-0, black  
 Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

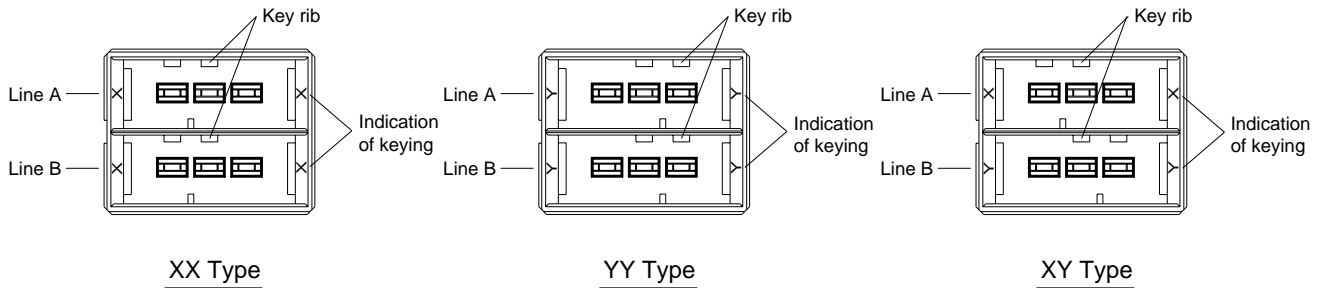




# JFA CONNECTOR/J310M

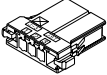
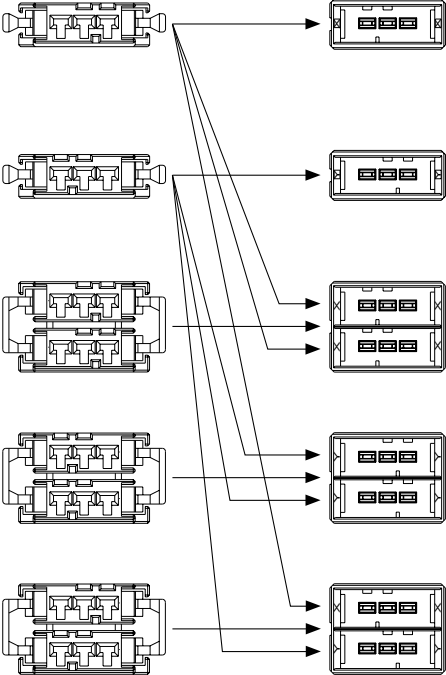

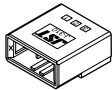
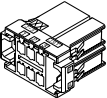
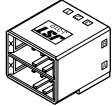
## Keying

J310M series have mis-insertion preventive keying.  
Available in 3 types – XX type, YY type and XY type.  
(Headers viewed from the mating side are shown below.)

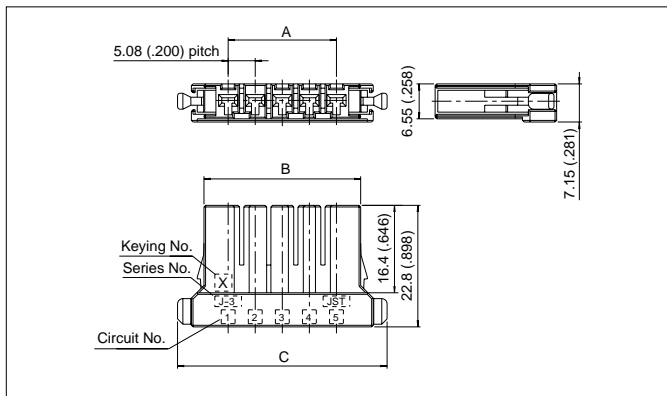


## List of combinations

With the combination of the J310M headers and the J310M/J310S receptacle housings, the following modular combination are possible.

Receptacle housing		Header				
		Top entry type		Side entry type		
Single-row 3-circuits (J310S) 	X Type F31FSS-03V-KX		Single-row 3-circuits (J310S) 	X Type B03B-F31SK-GGXR	Single-row 3-circuits (J310S) 	X Type S03B-F31SK-GGXR
	Y Type F31FSS-03V-KY		Y Type B03B-F31SK-GGYR	Y Type S03B-F31SK-GGYR		
Double-row 6-circuits (J310M) 	XX Type F31FMS-06V-KXX		XX Type B06B-F31MK-GGXXR	Double-row 6-circuits (J310M) 	XX Type S06B-F31MK-GGXXR	
	YY Type F31FMS-06V-KYY		YY Type B06B-F31MK-GGYR	YY Type S06B-F31MK-GGYR		
	XY Type F31FMS-06V-KXY		XY Type B06B-F31MK-GGXYR	XY Type S06B-F31MK-GGXYR		

## Receptacle housing

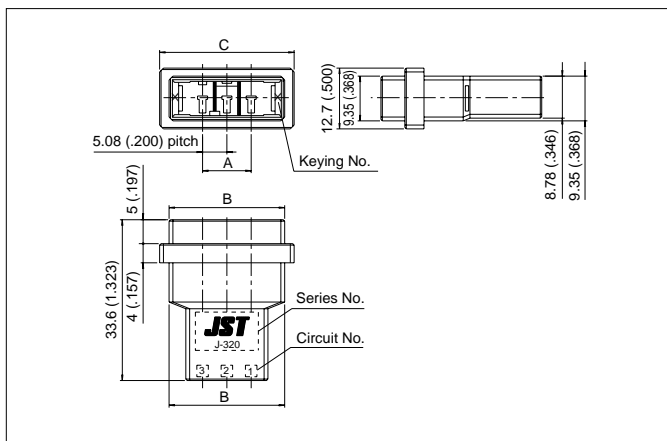


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
2	X	F32FSS-02V-KX	5.08(.200)	14.16(.557)	24.08(.948)	200
	Y	F32FSS-02V-KY	5.08(.200)	14.16(.557)	24.08(.948)	200
3	X	F32FSS-03V-KX	10.16(.400)	19.24(.757)	29.16(1.148)	200
	Y	F32FSS-03V-KY	10.16(.400)	19.24(.757)	29.16(1.148)	200
4	X	F32FSS-04V-KX	15.24(.600)	24.32(.957)	34.24(1.348)	200
	Y	F32FSS-04V-KY	15.24(.600)	24.32(.957)	34.24(1.348)	200
5	X	F32FSS-05V-KX	20.32(.800)	29.40(1.157)	39.32(1.548)	200
	Y	F32FSS-05V-KY	20.32(.800)	29.40(1.157)	39.32(1.548)	200
6	X	F32FSS-06V-KX	25.40(1.000)	34.48(1.357)	44.40(1.748)	100
	Y	F32FSS-06V-KY	25.40(1.000)	34.48(1.357)	44.40(1.748)	100

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Free hanging type)

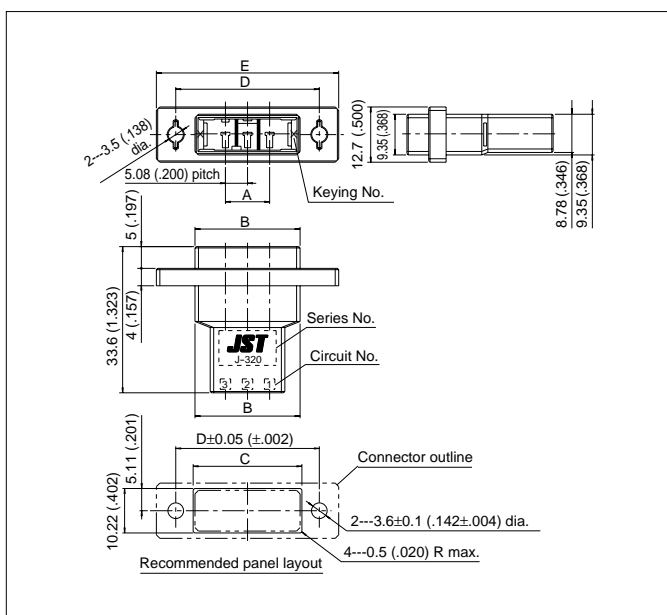


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
2	X	F32MSF-02V-KX	5.08(.200)	19.08(.751)	23.03(.907)	200
	Y	F32MSF-02V-KY	5.08(.200)	19.08(.751)	23.03(.907)	200
3	X	F32MSF-03V-KX	10.16(.400)	24.16(.951)	28.11(1.107)	200
	Y	F32MSF-03V-KY	10.16(.400)	24.16(.951)	28.11(1.107)	200
4	X	F32MSF-04V-KX	15.24(.600)	29.24(1.151)	33.19(1.307)	200
	Y	F32MSF-04V-KY	15.24(.600)	29.24(1.151)	33.19(1.307)	200

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Panel mounting type)



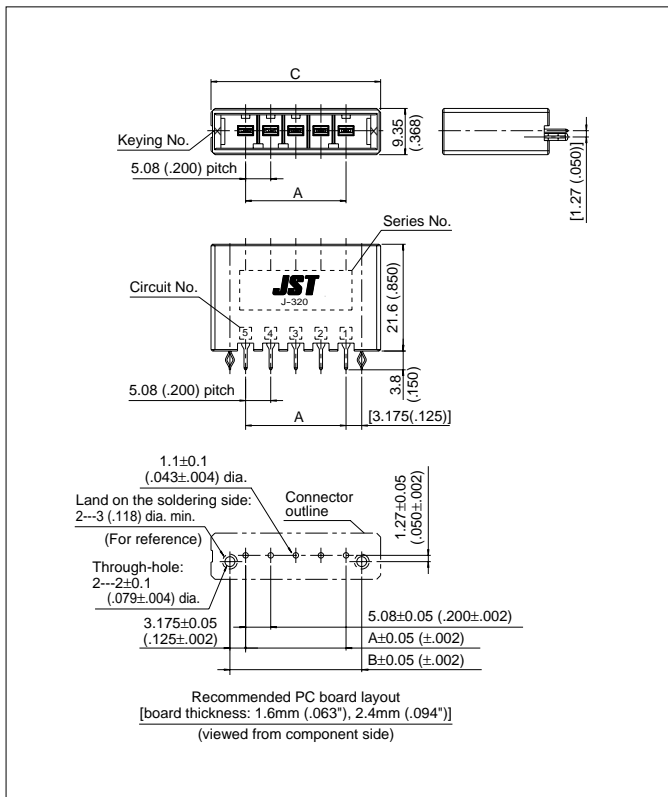
Circuits	Keying	Model No.	Dimensions mm(in.)					Q'ty / bag
			A	B	C	D	E	
2	X	F32MSP-02V-KX	5.08(.200)	19.08(.751)	20.00(.787)	28.00(1.102)	36.83(1.450)	200
	Y	F32MSP-02V-KY	5.08(.200)	19.08(.751)	20.00(.787)	28.00(1.102)	36.83(1.450)	200
3	X	F32MSP-03V-KX	10.16(.400)	24.16(.951)	25.00(.984)	33.00(1.299)	41.91(1.650)	200
	Y	F32MSP-03V-KY	10.16(.400)	24.16(.951)	25.00(.984)	33.00(1.299)	41.91(1.650)	200
4	X	F32MSP-04V-KX	15.24(.600)	29.24(1.151)	30.00(1.181)	38.00(1.496)	46.99(1.850)	200
	Y	F32MSP-04V-KY	15.24(.600)	29.24(1.151)	30.00(1.181)	38.00(1.496)	46.99(1.850)	200

### Material

Glass-filled PBT, UL94V-0, black

# JFA CONNECTOR/J320S

## Header (Top entry type)



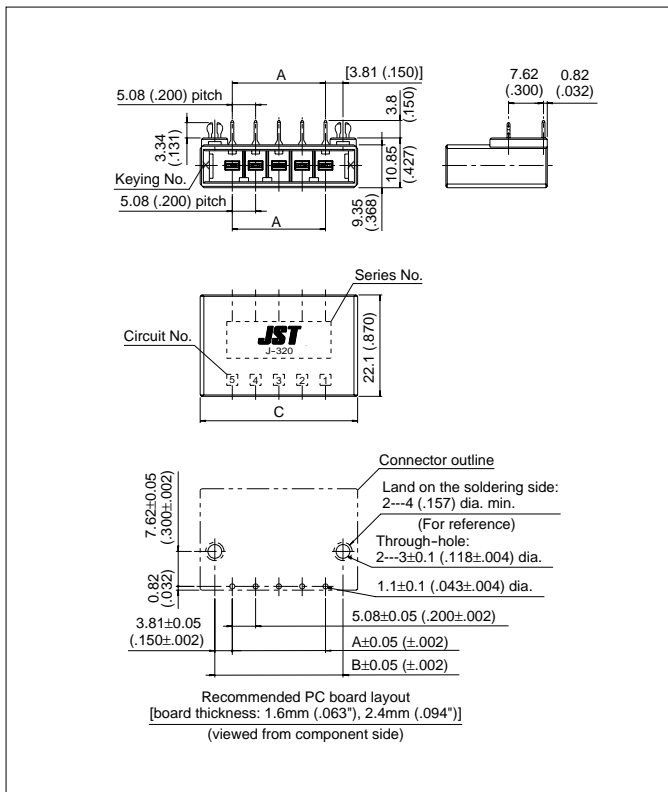
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
2	X	<b>B02B-F32SK-GGXR</b>	5.08( .200)	11.43( .450)	19.08( .751)	240
	Y	<b>B02B-F32SK-GGYR</b>	5.08( .200)	11.43( .450)	19.08( .751)	240
3	X	<b>B03B-F32SK-GGXR</b>	10.16( .400)	16.51( .650)	24.16( .951)	200
	Y	<b>B03B-F32SK-GGYR</b>	10.16( .400)	16.51( .650)	24.16( .951)	200
4	X	<b>B04B-F32SK-GGXR</b>	15.24( .600)	21.59( .850)	29.24(1.151)	160
	Y	<b>B04B-F32SK-GGYR</b>	15.24( .600)	21.59( .850)	29.24(1.151)	160
5	X	<b>B05B-F32SK-GGXR</b>	20.32( .800)	26.67(1.050)	34.32(1.351)	140
	Y	<b>B05B-F32SK-GGYR</b>	20.32( .800)	26.67(1.050)	34.32(1.351)	140
6	X	<b>B06B-F32SK-GGXR</b>	25.40(1.000)	31.75(1.250)	39.40(1.551)	120
	Y	<b>B06B-F32SK-GGYR</b>	25.40(1.000)	31.75(1.250)	39.40(1.551)	120

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
Header housing: Glass-filled PBT, UL94V-0, black  
Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Header (Side entry type)



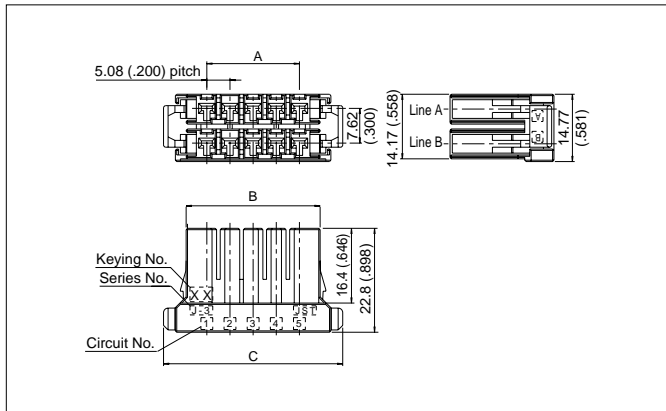
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
2	X	<b>S02B-F32SK-GGXR</b>	5.08( .200)	12.70( .500)	19.08( .751)	180
	Y	<b>S02B-F32SK-GGYR</b>	5.08( .200)	12.70( .500)	19.08( .751)	180
3	X	<b>S03B-F32SK-GGXR</b>	10.16( .400)	17.78( .700)	24.16( .951)	150
	Y	<b>S03B-F32SK-GGYR</b>	10.16( .400)	17.78( .700)	24.16( .951)	150
4	X	<b>S04B-F32SK-GGXR</b>	15.24( .600)	22.86( .900)	29.24(1.151)	120
	Y	<b>S04B-F32SK-GGYR</b>	15.24( .600)	22.86( .900)	29.24(1.151)	120
5	X	<b>S05B-F32SK-GGXR</b>	20.32( .800)	27.94(1.100)	34.32(1.351)	105
	Y	<b>S05B-F32SK-GGYR</b>	20.32( .800)	27.94(1.100)	34.32(1.351)	105
6	X	<b>S06B-F32SK-GGXR</b>	25.40(1.000)	33.02(1.300)	39.40(1.551)	90
	Y	<b>S06B-F32SK-GGYR</b>	25.40(1.000)	33.02(1.300)	39.40(1.551)	90

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
Header housing: Glass-filled PBT, UL94V-0, black  
Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Receptacle housing

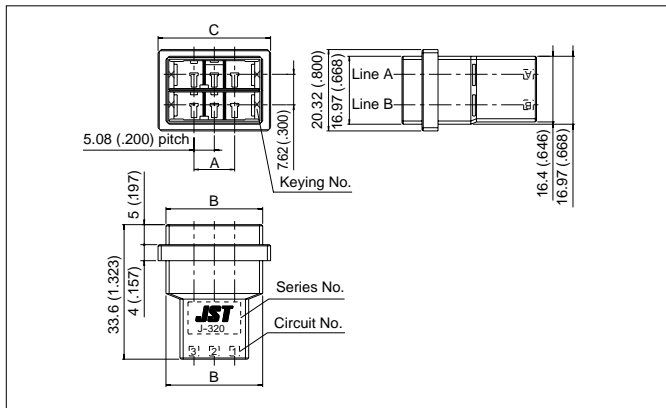


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
6	XX	F32FMS-06V-KXX	10.16( .400)	19.24( .757)	29.16(1.148)	100
	YY	F32FMS-06V-KYY	10.16( .400)	19.24( .757)	29.16(1.148)	100
	XY	F32FMS-06V-KXY	10.16( .400)	19.24( .757)	29.16(1.148)	100
10	XX	F32FMS-10V-KXX	20.32( .800)	29.40(1.157)	39.32(1.548)	100
	YY	F32FMS-10V-KYY	20.32( .800)	29.40(1.157)	39.32(1.548)	100
	XY	F32FMS-10V-KXY	20.32( .800)	29.40(1.157)	39.32(1.548)	100
12	XX	F32FMS-12V-KXX	25.40(1.000)	34.48(1.357)	44.40(1.748)	100
	YY	F32FMS-12V-KYY	25.40(1.000)	34.48(1.357)	44.40(1.748)	100
	XY	F32FMS-12V-KXY	25.40(1.000)	34.48(1.357)	44.40(1.748)	100

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Free hanging type)

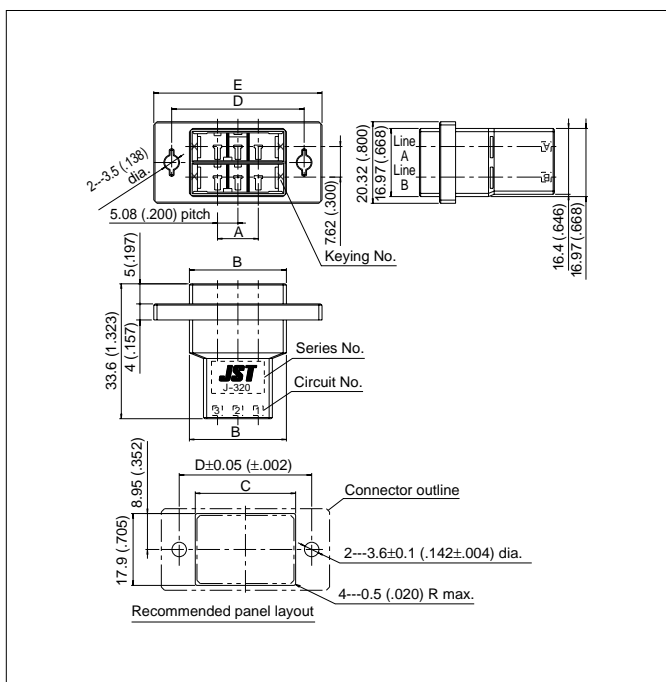


Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / bag
			A	B	C	
6	XX	F32MDF-06V-KXX	10.16( .400)	24.16( .951)	28.11(1.107)	100
	YY	F32MDF-06V-KYY	10.16( .400)	24.16( .951)	28.11(1.107)	100
	XY	F32MDF-06V-KXY	10.16( .400)	24.16( .951)	28.11(1.107)	100
12	XX	F32MDF-12V-KXX	25.40(1.000)	39.40(1.551)	43.35(1.707)	100
	YY	F32MDF-12V-KYY	25.40(1.000)	39.40(1.551)	43.35(1.707)	100
	XY	F32MDF-12V-KXY	25.40(1.000)	39.40(1.551)	43.35(1.707)	100

### Material

Glass-filled PBT, UL94V-0, black

## Tab housing (Panel mounting type)



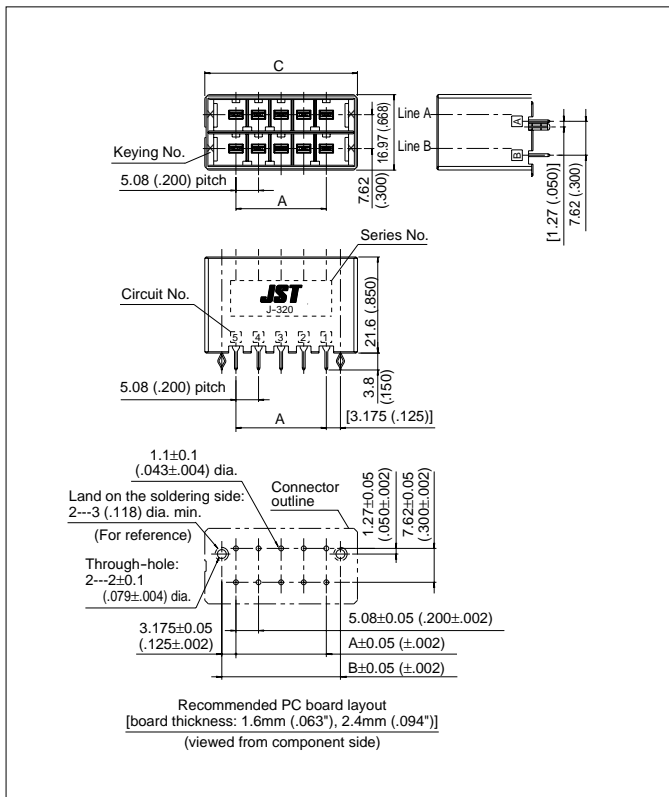
Circuits	Keying	Model No.	Dimensions mm(in.)					Q'ty / bag
			A	B	C	D	E	
6	XX	F32MDP-06V-KXX	10.16( .400)	24.16( .951)	25.00( .984)	33.00(1.299)	41.91(1.650)	100
	YY	F32MDP-06V-KYY	10.16( .400)	24.16( .951)	25.00( .984)	33.00(1.299)	41.91(1.650)	100
	XY	F32MDP-06V-KXY	10.16( .400)	24.16( .951)	25.00( .984)	33.00(1.299)	41.91(1.650)	100
12	XX	F32MDP-12V-KXX	25.40(1.000)	39.40(1.551)	41.00(1.614)	49.00(1.929)	57.91(2.280)	100
	YY	F32MDP-12V-KYY	25.40(1.000)	39.40(1.551)	41.00(1.614)	49.00(1.929)	57.91(2.280)	100
	XY	F32MDP-12V-KXY	25.40(1.000)	39.40(1.551)	41.00(1.614)	49.00(1.929)	57.91(2.280)	100

### Material

Glass-filled PBT, UL94V-0, black

# JFA CONNECTOR/J320M

## Header (Top entry type)



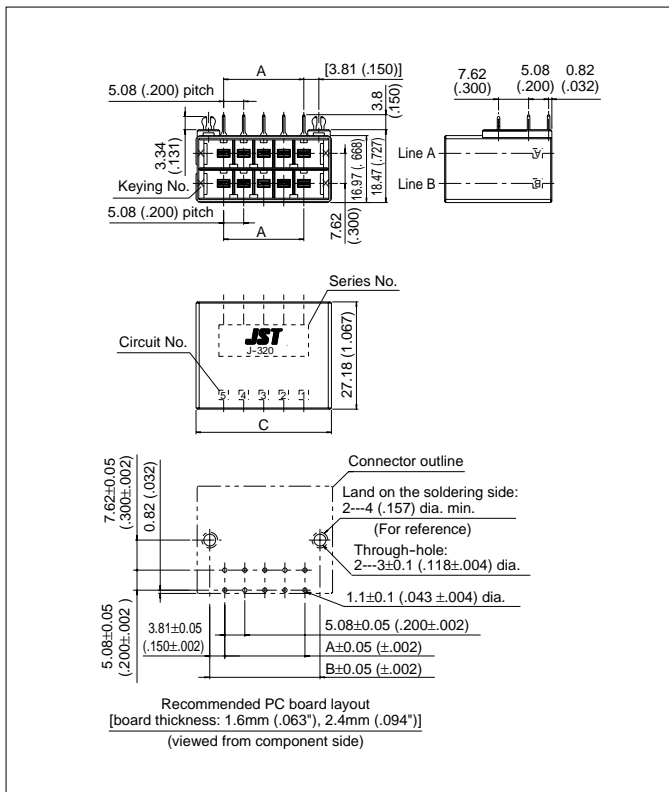
Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
6	XX	B06B-F32MK-GGXXR	10.16( .400)	16.51( .650)	24.16( .951)	120
	YY	B06B-F32MK-GGYR	10.16( .400)	16.51( .650)	24.16( .951)	120
	XY	B06B-F32MK-GGXRYR	10.16( .400)	16.51( .650)	24.16( .951)	120
10	XX	B10B-F32MK-GGXXR	20.32( .800)	26.67(1.050)	34.32(1.351)	84
	YY	B10B-F32MK-GGYR	20.32( .800)	26.67(1.050)	34.32(1.351)	84
	XY	B10B-F32MK-GGXRYR	20.32( .800)	26.67(1.050)	34.32(1.351)	84
12	XX	B12B-F32MK-GGXXR	25.40(1.000)	31.75(1.250)	39.40(1.551)	72
	YY	B12B-F32MK-GGYR	25.40(1.000)	31.75(1.250)	39.40(1.551)	72
	XY	B12B-F32MK-GGXRYR	25.40(1.000)	31.75(1.250)	39.40(1.551)	72

### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
 Header housing: Glass-filled PBT, UL94V-0, black  
 Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

## Header (Side entry type)



Circuits	Keying	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
6	XX	S06B-F32MK-GGXXR	10.16( .400)	17.78( .700)	24.16( .951)	72
	YY	S06B-F32MK-GGYR	10.16( .400)	17.78( .700)	24.16( .951)	72
	XY	S06B-F32MK-GGXRYR	10.16( .400)	17.78( .700)	24.16( .951)	72
10	XX	S10B-F32MK-GGXXR	20.32( .800)	27.94(1.100)	34.32(1.351)	56
	YY	S10B-F32MK-GGYR	20.32( .800)	27.94(1.100)	34.32(1.351)	56
	XY	S10B-F32MK-GGXRYR	20.32( .800)	27.94(1.100)	34.32(1.351)	56
12	XX	S12B-F32MK-GGXXR	25.40(1.000)	33.02(1.300)	39.40(1.551)	48
	YY	S12B-F32MK-GGYR	25.40(1.000)	33.02(1.300)	39.40(1.551)	48
	XY	S12B-F32MK-GGXRYR	25.40(1.000)	33.02(1.300)	39.40(1.551)	48

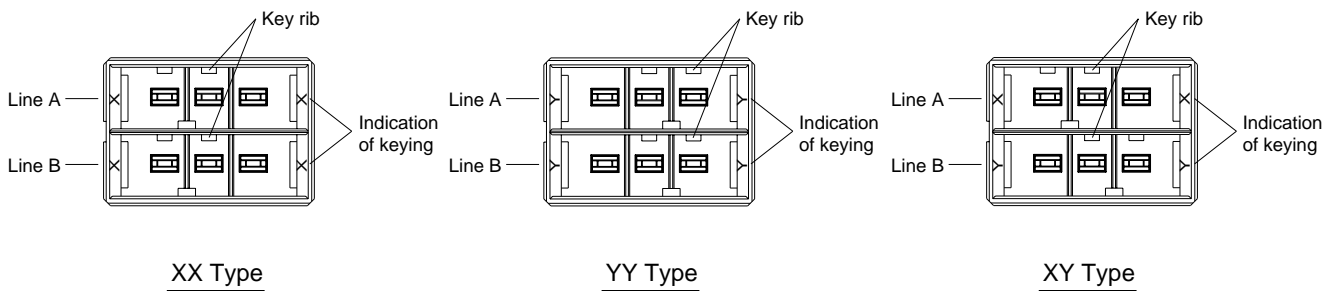
### Material and Finish

Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated  
 Header housing: Glass-filled PBT, UL94V-0, black  
 Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated

Note: Contact JST for the headers supplied in magazine stick.

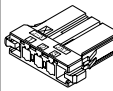
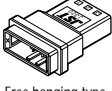

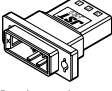

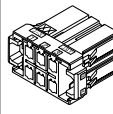
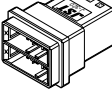





## Keying

J320M series have mis-insertion preventive keying.  
Available in 3 types – XX type, YY type and XY type.  
(Headers viewed from the mating side are shown below.)



## List of combinations

With the combination of the J320M headers and the J320M/J320S receptacle housings, the following modular combinations are possible.

Receptacle housing		Tab housing		Header			
<b>Single-row</b> 3, 5, 6-circuits (J320S) 	<b>X type</b> F32FSS-(##)V-KX	 Free hanging type	<b>X type</b> Free hanging type F32MSF-(##)V-KX Panel mounting type F32MSP-(##)V-KX	<b>Single-row</b> 3, 5, 6-circuits (J320S)  Top entry type	<b>X type</b> Top entry type B(##)B-F32SK-GGX Side entry type S(##)B-F32SK-GGX		
	<b>Y type</b> F32FSS-(##)V-KY		 Panel mounting type		<b>Y type</b> Free hanging type F32MSF-(##)V-KY Panel mounting type F32MSP-(##)V-KY	 Side entry type	<b>Y type</b> Top entry type B(##)B-F32SK-GGY Side entry type S(##)B-F32SK-GGY
<b>Double-row</b> 6, 10, 12-circuits (J320M) 	<b>XX type</b> F32FMS-(##)V-KXX	 Free hanging type	<b>XX type</b> Free hanging type F32MDF-(##)V-KXX Panel mounting type F32MDP-(##)V-KXX	<b>Double-row</b> 6, 10, 12-circuits (J320M)  Top entry type	<b>XX type</b> Top entry type B(##)B-F32MK-GGX Side entry type S(##)B-F32MK-GGX		
	<b>YY type</b> F32FMS-(##)V-KYY		 Panel mounting type		<b>YY type</b> Free hanging type F32MDF-(##)V-KYY Panel mounting type F32MDP-(##)V-KYY	 Side entry type	<b>YY type</b> Top entry type B(##)B-F32MK-GGY Side entry type S(##)B-F32MK-GGY
	<b>XY type</b> F32FMS-(##)V-KXY		 Panel mounting type		<b>XY type</b> Free hanging type F32MDF-(##)V-KXY Panel mounting type F32MDP-(##)V-KXY	 Side entry type	<b>XY type</b> Top entry type B(##)B-F32MK-GGX Side entry type S(##)B-F32MK-GGX