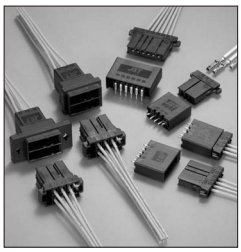
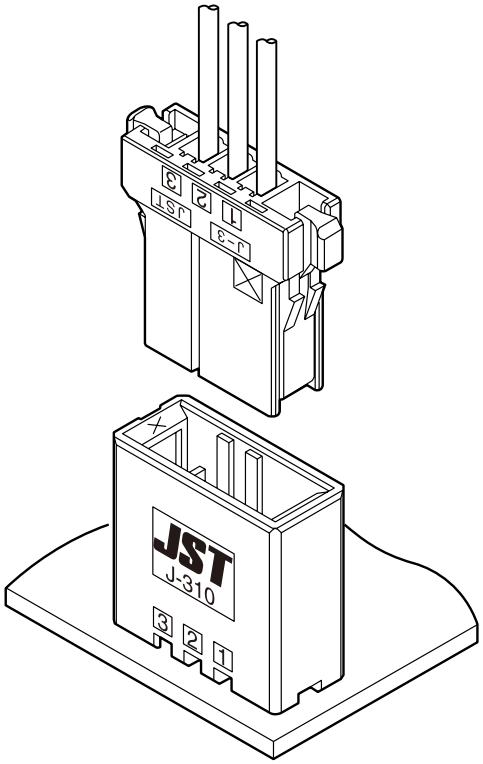


# JFA CONNECTOR J300 SERIES

***3.81, 5.08mm 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 the various kinds of housings available, their contacts are designed to be common.***
***The applicable tooling can be standardized.***

- ***Double-spring construction***
- ***Housing lances***
- ***Secure locking method***
- ***Recognition mark***

## *Specifications*

- Current rating: 15A AC, DC (Single circuit/AWG #14)
- Voltage rating: 310, 340 series [3.81mm pitch] 250V AC, DC
  320, 350 series, 360T [5.08mm pitch] 600V AC, DC
- Temperature range: -55°C to +105°C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/5mΩ max.
  After environmental testing/10mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage:
  310, 340 series [3.81mm pitch] 1,500V AC/minute
  320, 350 series, 360T [5.08mm pitch] 2,200V AC/minute
- Applicable wire: AWG #28 to #14 (0.08 to 2.0mm$^2$)
- Applicable PC board thickness: 1.6 to 2.4mm

*Contact JST for details.
*Compliant with RoHS.

**Current rating** Unit: A

| Circuits | Wire size (AWG) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | #14 | #16 | #18 | #20 | #22 | #24 | #26 | #28 |
| 1 | 15.0 | 14.0 | 11.5 | 9.5 | 8.0 | 6.5 | 5.75 | 4.75 |
| 2 | 13.5 | 13.5 | 11.25 | 9.25 | 7.5 | 6.25 | 5.5 | 4.5 |
| 3 | 12.25 | 12.25 | 10.5 | 8.5 | 7.0 | 5.75 | 5.0 | 4.1 |
| 4 | 11.25 | 11.25 | 10.0 | 8.0 | 6.5 | 5.5 | 4.75 | 4.0 |
| 5 | 10.5 | 10.5 | 9.5 | 7.5 | 6.25 | 5.25 | 4.5 | 4.0 |
| 6 | 9.75 | 9.75 | 9.0 | 7.0 | 6.0 | 5.0 | 4.25 | 3.75 |
| 8 | 9.0 | 9.0 | 8.25 | 6.5 | 5.5 | 4.5 | 3.75 | 3.25 |
| 9 | 8.5 | 8.5 | 8.0 | 6.25 | 5.25 | 4.5 | 3.75 | 3.25 |
| 10 | 8.5 | 8.5 | 8.0 | 6.25 | 5.25 | 4.5 | 3.75 | 3.25 |
| 12 | 8.25 | 8.25 | 7.75 | 6.0 | 5.0 | 4.0 | 3.5 | 3.0 |
| 16 | 8.0 | 8.0 | 7.5 | 6.0 | 4.75 | 4.0 | 3.5 | 3.0 |
| 20 | 8.0 | 8.0 | 7.25 | 6.0 | 4.5 | 4.0 | 3.5 | 2.75 |

## *Standards*

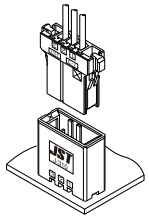
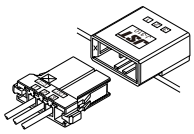
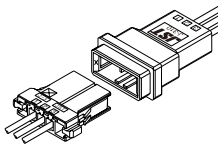
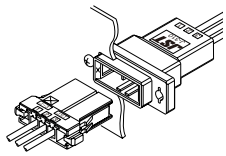
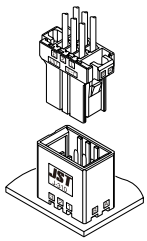
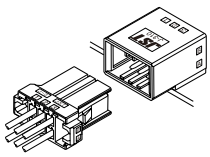
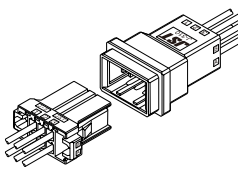
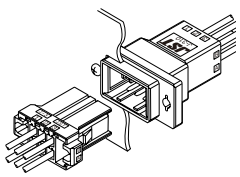
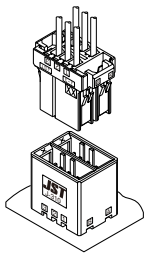
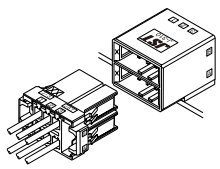
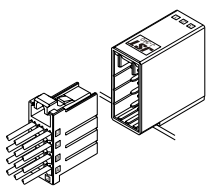
Recognized E60389

Certified LR20812

R50133261

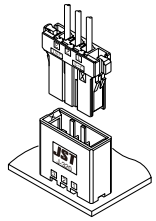
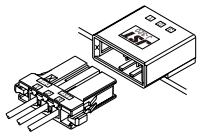
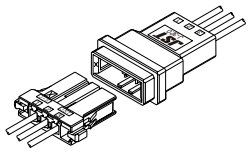
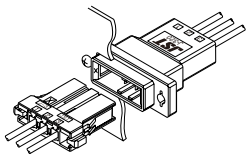
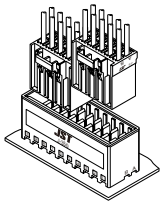
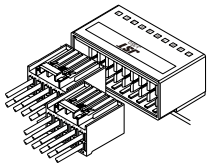
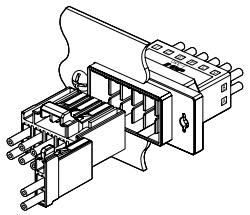
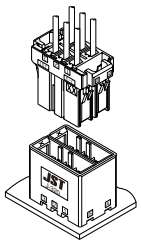
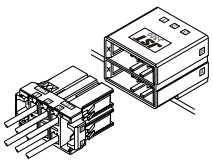
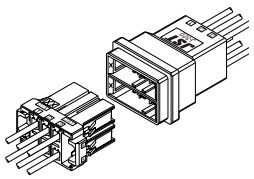
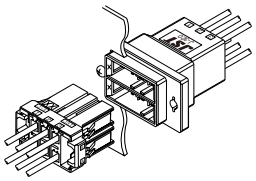
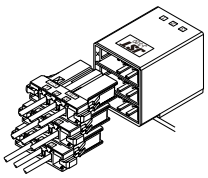
## *List of J300 series products*

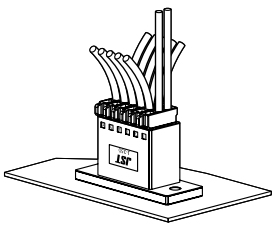
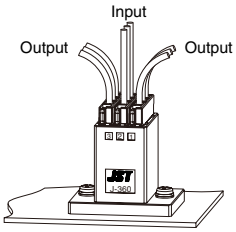
**3.81mm pitch / Voltage rating 250V AC, DC**

| Type | Wire-to-board | | Wire-to-wire | |
|---|---|---|---|---|
| | Top entry type | Side entry type | Free hanging type | Panel mounting type |
| **J310S** Single-row type |  |  |  |  |
| Circuits | 3, 4, 5, 6, 8,10 | 3, 4, 5, 6, 8,10 | 3, 5, 8,10 | 3, 5, 8,10 |
| **J310D** Double-row type [line pitch 5.08mm] |  |  |  |  |
| 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 |
| **J310M** Double-row module type [line pitch 7.62mm] |  |  | | |
| Circuits | 6 | 6 | | |
| **J340F** Four-row type [line pitch 5.08mm] | |  | | |
| Circuits | | 12, 20 | | |
| — | | | | |
| Circuits | | | | |

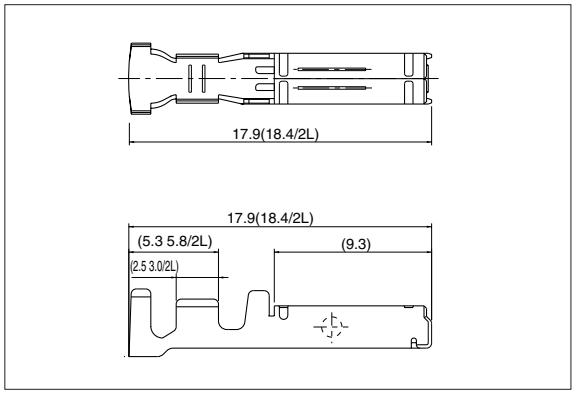
## List of J300 series products

**5.08mm pitch / Voltage rating 600V AC, DC**

| Wire-to-board | | Wire-to-wire | | Type |
|---|---|---|---|---|
| Top entry type | Side entry type | Free hanging type | Panel mounting type | |
|  |  |  |  | **J320S** Single-row type |
| 2, 3, 4, 5, 6 | 2, 3, 4, 5, 6 | 1, 2, 3, 4 | 1, 2, 3, 4 | Circuits |
|  |  | |  | **J350D** Double-row type [line pitch 5.08mm] |
| 12, 20 | 12, 20 | | 12 | Circuits |
|  |  |  |  | **J320M** Double-row module type [line pitch 7.62mm] |
| 6,10,12 | 6, 8,10,12 | 6,12 | 6,12, 20 | Circuits |
| |  | | | **J320T** Triple-row module type [line pitch 7.62mm] |
| | 9 | | | Circuits |

| Double-row common type (J350DC) | Triple-row common type (J360T) | |
|---|---|---|
|  (line pitch 5.08mm) |   (line pitch 6.5mm) | **J350DC** **J360T** Common type |
| 12 | 9,18, 24 | Circuits |

## Receptacle contact




| Model No. | | Applicable wire | | | Insulation O.D. (mm) | Q'ty | |
|---|---|---|---|---|---|---|---|
| Strip contact | Loose piece | Nominal | mm² | AWG# | | reel | Box(Loose piece) |
| **SF3F-002 (*) -P2.0** | **BF3F-002 (*) -P2.0** | S | 0.08～0.20 | 28～24 | 0.8～1.4 | 3,700 | 1,000 |
| **SF3F-01 (*) -P2.0** | **BF3F-01 (*) -P2.0** | M | 0.20～0.50 | 24～20 | 1.2～2.6 | 3,700 | 1,000 |
| **SF3F-41 (*) -P2.0** | **LF3F-41 (*) -P2.0** | L | 0.50～1.25 | 20～16 | 1.8～2.8 | 3,200 | 1,000 |
| ***SF3F-71 (*) -P2.0** | ***BF3F-71 (*) -P2.0** | 2L | 1.25～2.0 | 16～14 | 2.4～3.4 | 3,200 | 1,000 |

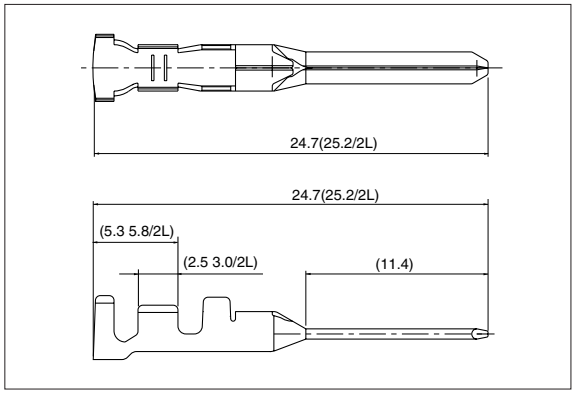
**Material and Finish**

Copper alloy (superior conductivity), nickel-underplated, selective gold-plated tin-plated (reflow treatment)

***RoHS compliance***

*Note: 1. Finish (*):GF...Nickel-undercoated, 0.38 μm selective gold-platad*
*GI....Nickel-undercoated, 0.76 μm selective gold-platad*
*T.....Tin-plated*
*2. *Marked products are not CSA/TÜV approved.*

## Tab contact




| Model No. | | Applicable wire | | | Insulation O.D. (mm) | Q'ty | |
|---|---|---|---|---|---|---|---|
| Strip contact | Loose piece | Nominal | mm² | AWG# | | reel | Box(Loose piece) |
| Under planning | Under planning | S | 0.08～0.20 | 28～24 | 0.8～1.4 | — | — |
| **SF3M-01 (*) -M2.0N** | **BF3M-01 (*) -M2.0N** | M | 0.20～0.50 | 24～20 | 1.2～2.6 | 3,500 | 1,000 |
| **SF3M-41 (*) -M2.0N** | **LF3M-41 (*) -M2.0N** | L | 0.50～1.25 | 20～16 | 1.8～2.8 | 3,300 | 1,000 |
| ***SF3M-71 (*) -M2.0N** | ***BF3M-71 (*) -M2.0N** | 2L | 1.25～2.0 | 16～14 | 2.4～3.4 | 3,200 | 1,000 |

**Material and Finish**

Copper alloy (superior conductivity), nickel-underplated, selective gold-plated tin-plated (reflow treatment)

***RoHS compliance***

*Note: 1. Finish (*):GF...Nickel-undercoated, 0.38 μm selective gold-platad*
*GI....Nickel-undercoated, 0.76 μm selective gold-platad*
*T.....Tin-plated*
*2. *Marked products are not CSA/TÜV approved.*

## Crimping machine, Applicator

| Strip contact Model No. | Crimping machine | Crimp applicator | Dies | Crimp applicator with dies | Hand crimp tools |
|---|---|---|---|---|---|
| **SF3F-002 (*) -P2.0** | AP-K2N | MKS-L | MK/SF3F-002-20 | APLMK SF3F/M002-20 | YRK-8821 |
| **SF3F-01 (*) -P2.0** | | | MK/SF3F/M-01-20 | APLMK SF3F/M01-20 | YRK-8811 |
| **SF3M-01 (*) -M2.0N** | | | | | |
| **SF3F-41 (*) -P2.0** | | | MK/SF3F/M-41-20 | APLMK SF3F/M41-20 | YRK-8801 |
| **SF3M-41 (*) -M2.0N** | | | | | |
| **SF3F-71 (*) -P2.0** | | | MK/SF3F/M-71-20 | APLMK SF3F/M71-20 | YRK-1071 |
| **SF3M-71 (*) -M2.0N** | | | | | |

*Note: Finish (*): GF...Nickel-undercoated, 0.38 μm selective gold-platad*
*GI....Nickel-undercoated, 0.76 μm selective gold-platad*
*T.....Tin-plated*

| Loose piece | Hand crimp tools |
|---|---|
| **BF3F-002 (*) -P2.0** | YRF-882 |
| **BF3F-01 (*) -P2.0** | YRF-881 |
| **BF3M-01 (*) -M2.0N** | |
| **LF3F-41 (*) -P2.0** | YRF-880 |
| **LF3M-41 (*) -M2.0N** | |
| **BF3F-71 (*) -P2.0** | YRF-1070 |
| **BF3M-71 (*) -M2.0N** | YRF-1071 |

*Note: Finish (*): GF...Nickel-undercoated, 0.38 μm selective gold-platad*
*GI....Nickel-undercoated, 0.76 μm selective gold-platad*
*T.....Tin-plated*

- *Extraction tool for J300 series: EJ-JFAJ3*
- *Refer to page 15, 16 for details of YRK series hand crimping tools that uses a strip contact.*

## Recognition mark

**• Plating of the contact**

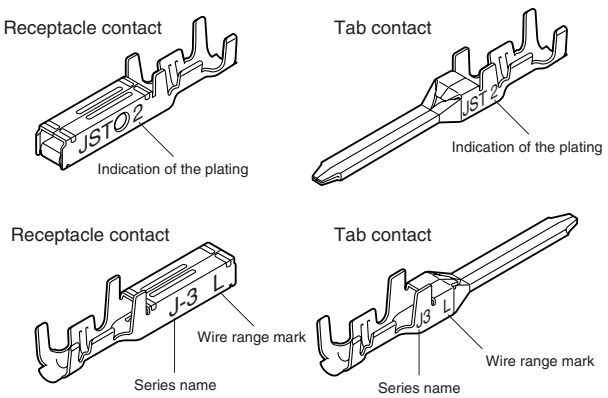
Each contact has a marking on its side so that the type or thickness of the plating is recognized.

ex. 2 ... gold-plated 0.38μm thickness
3 ... gold-plated 0.76μm thickness
5 ... tin-plated

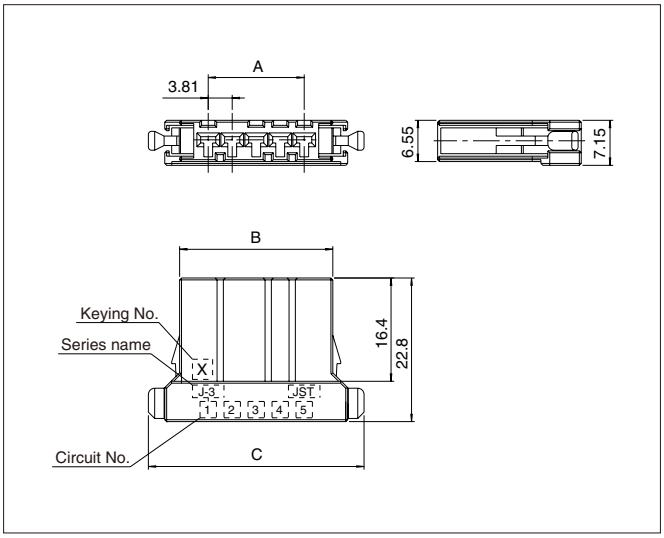
**• Common marking on the contact and its application tools**

In order to avoid incorrect combination of the hand crimp tools or extraction tools and the contacts, the series name (for example J-3) and wire range mark (S, M, L, 2L) are shown on both the tools and the contacts.

For example J-3 S..... AWG #28 ～ #24
M.... AWG #24 ～ #20
L..... AWG #20 ～ #16
2L... AWG #16 ～ #14



## Receptacle housing

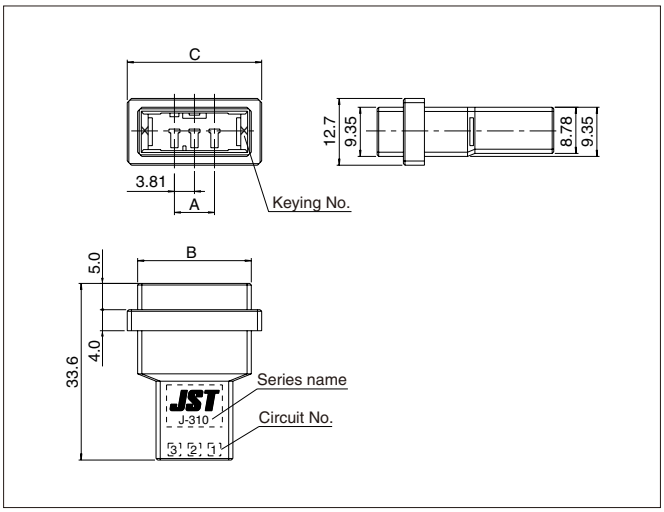



| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 3 | X | **F31FSS-03V-KX** | 7.62 | 16.70 | 26.62 | 200 |
| | Y | **F31FSS-03V-KY** | 7.62 | 16.70 | 26.62 | 200 |
| 4 | X | **F31FSS-04V-KX** | 11.43 | 20.51 | 30.43 | 200 |
| | Y | **F31FSS-04V-KY** | 11.43 | 20.51 | 30.43 | 200 |
| 5 | X | **F31FSS-05V-KX** | 15.24 | 24.32 | 34.24 | 200 |
| | Y | **F31FSS-05V-KY** | 15.24 | 24.32 | 34.24 | 200 |
| 6 | X | **F31FSS-06V-KX** | 19.05 | 28.13 | 38.05 | 200 |
| | Y | **F31FSS-06V-KY** | 19.05 | 28.13 | 38.05 | 200 |
| 8 | X | **F31FSS-08V-KX** | 26.67 | 35.75 | 45.67 | 100 |
| | Y | **F31FSS-08V-KY** | 26.67 | 35.75 | 45.67 | 100 |
| 10 | X | **F31FSS-10V-KX** | 34.29 | 43.37 | 53.29 | 100 |
| | Y | **F31FSS-10V-KY** | 34.29 | 43.37 | 53.29 | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Tab housing (Free hanging type)

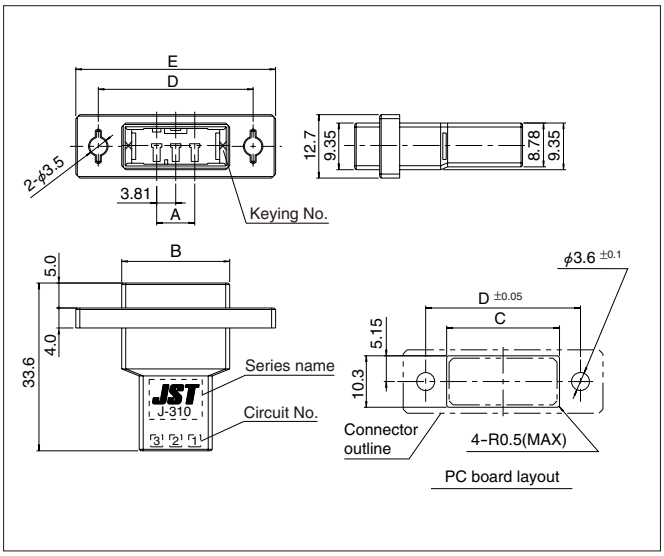



| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 3 | X | **F31MSF-03V-KX** | 7.62 | 21.62 | 25.57 | 200 |
| | Y | **F31MSF-03V-KY** | 7.62 | 21.62 | 25.57 | 200 |
| 5 | X | **F31MSF-05V-KX** | 15.24 | 29.24 | 33.19 | 200 |
| | Y | **F31MSF-05V-KY** | 15.24 | 29.24 | 33.19 | 200 |
| 8 | X | **F31MSF-08V-KX** | 26.67 | 40.67 | 44.62 | 100 |
| | Y | **F31MSF-08V-KY** | 26.67 | 40.67 | 44.62 | 100 |
| 10 | X | **F31MSF-10V-KX** | 34.29 | 48.29 | 52.24 | 100 |
| | Y | **F31MSF-10V-KY** | 34.29 | 48.29 | 52.24 | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Tab housing (Panel mounting type)

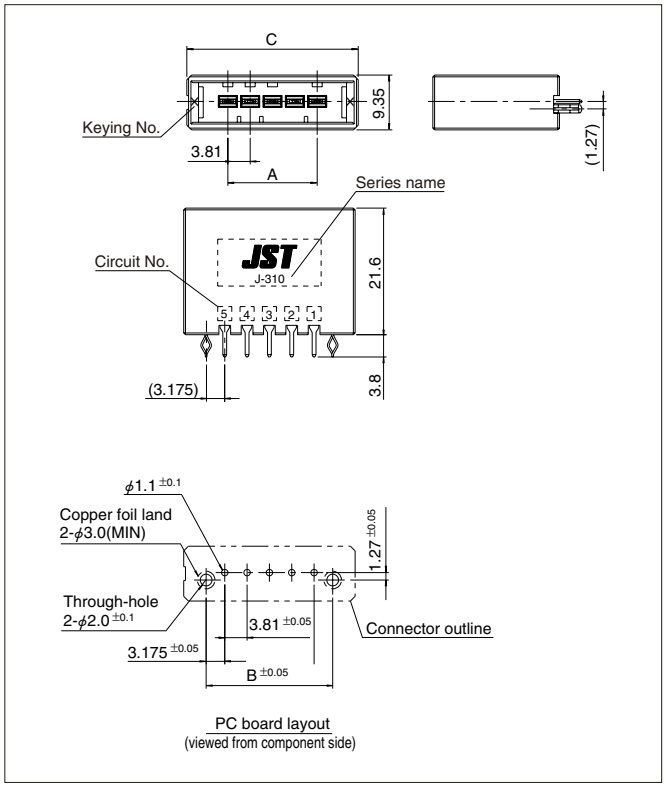



| Circuits | Keying | Model No. | Dimensions (mm) | | | | | Q'ty / bag |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 3 | X | **F31MSP-03V-KX** | 7.62 | 21.62 | 22.60 | 31.00 | 40.00 | 200 |
| | Y | **F31MSP-03V-KY** | 7.62 | 21.62 | 22.60 | 31.00 | 40.00 | 200 |
| 5 | X | **F31MSP-05V-KX** | 15.24 | 29.24 | 30.20 | 38.00 | 47.00 | 200 |
| | Y | **F31MSP-05V-KY** | 15.24 | 29.24 | 30.20 | 38.00 | 47.00 | 200 |
| 8 | X | **F31MSP-08V-KX** | 26.67 | 40.67 | 41.60 | 50.00 | 59.00 | 100 |
| | Y | **F31MSP-08V-KY** | 26.67 | 40.67 | 41.60 | 50.00 | 59.00 | 100 |
| 10 | X | **F31MSP-10V-KX** | 34.29 | 48.29 | 49.20 | 58.00 | 67.00 | 100 |
| | Y | **F31MSP-10V-KY** | 34.29 | 48.29 | 49.20 | 58.00 | 67.00 | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Header (Top entry type)



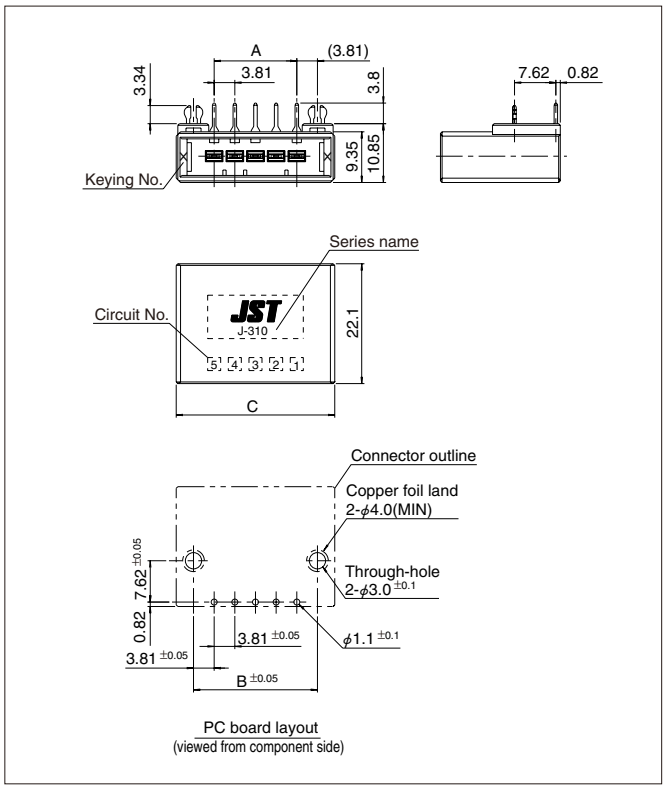

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 3 | X | **B03B-F31SK-GGXR** | 7.62 | 13.97 | 21.62 | 220 |
| | Y | **B03B-F31SK-GGYR** | 7.62 | 13.97 | 21.62 | 220 |
| 4 | X | **B04B-F31SK-GGXR** | 11.43 | 17.78 | 25.43 | 180 |
| | Y | **B04B-F31SK-GGYR** | 11.43 | 17.78 | 25.43 | 180 |
| 5 | X | **B05B-F31SK-GGXR** | 15.24 | 21.59 | 29.24 | 160 |
| | Y | **B05B-F31SK-GGYR** | 15.24 | 21.59 | 29.24 | 160 |
| 6 | X | **B06B-F31SK-GGXR** | 19.05 | 25.40 | 33.05 | 140 |
| | Y | **B06B-F31SK-GGYR** | 19.05 | 25.40 | 33.05 | 140 |
| 8 | X | **B08B-F31SK-GGXR** | 26.67 | 33.02 | 40.67 | 120 |
| | Y | **B08B-F31SK-GGYR** | 26.67 | 33.02 | 40.67 | 120 |
| 10 | X | **B10B-F31SK-GGXR** | 34.29 | 40.64 | 48.29 | 100 |
| | Y | **B10B-F31SK-GGYR** | 34.29 | 40.64 | 48.29 | 100 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Header (Side entry type)



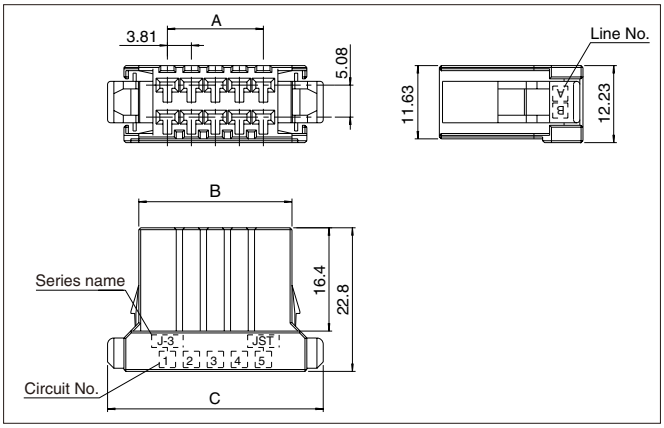

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 3 | X | **S03B-F31SK-GGXR** | 7.62 | 15.24 | 21.62 | 165 |
| | Y | **S03B-F31SK-GGYR** | 7.62 | 15.24 | 21.62 | 165 |
| 4 | X | **S04B-F31SK-GGXR** | 11.43 | 19.05 | 25.43 | 135 |
| | Y | **S04B-F31SK-GGYR** | 11.43 | 19.05 | 25.43 | 135 |
| 5 | X | **S05B-F31SK-GGXR** | 15.24 | 22.86 | 29.24 | 120 |
| | Y | **S05B-F31SK-GGYR** | 15.24 | 22.86 | 29.24 | 120 |
| 6 | X | **S06B-F31SK-GGXR** | 19.05 | 26.67 | 33.05 | 105 |
| | Y | **S06B-F31SK-GGYR** | 19.05 | 26.67 | 33.05 | 105 |
| 8 | X | **S08B-F31SK-GGXR** | 26.67 | 34.29 | 40.67 | 90 |
| | Y | **S08B-F31SK-GGYR** | 26.67 | 34.29 | 40.67 | 90 |
| 10 | X | **S10B-F31SK-GGXR** | 34.29 | 41.91 | 48.29 | 75 |
| | Y | **S10B-F31SK-GGYR** | 34.29 | 41.91 | 48.29 | 75 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Receptacle housing



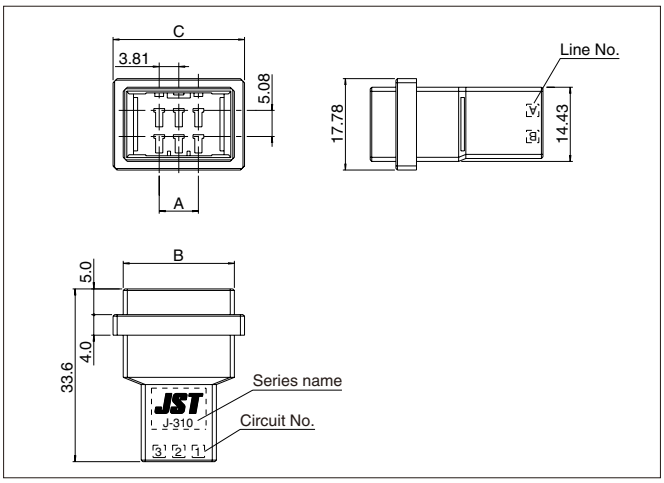

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | — | **F31FDS-06V-K** | 7.62 | 16.70 | 26.62 | 200 |
| 8 | — | **F31FDS-08V-K** | 11.43 | 20.51 | 30.43 | 100 |
| 10 | — | **F31FDS-10V-K** | 15.24 | 24.32 | 34.24 | 100 |
| 12 | — | **F31FDS-12V-K** | 19.05 | 28.13 | 38.05 | 100 |
| 16 | — | **F31FDS-16V-K** | 26.67 | 35.75 | 45.67 | 100 |
| 20 | — | **F31FDS-20V-K** | 34.29 | 43.37 | 53.29 | 100 |

Material

Glass-filled PBT, UL94V-0, black

***RoHS compliance***

## Tab housing (Free hanging type)



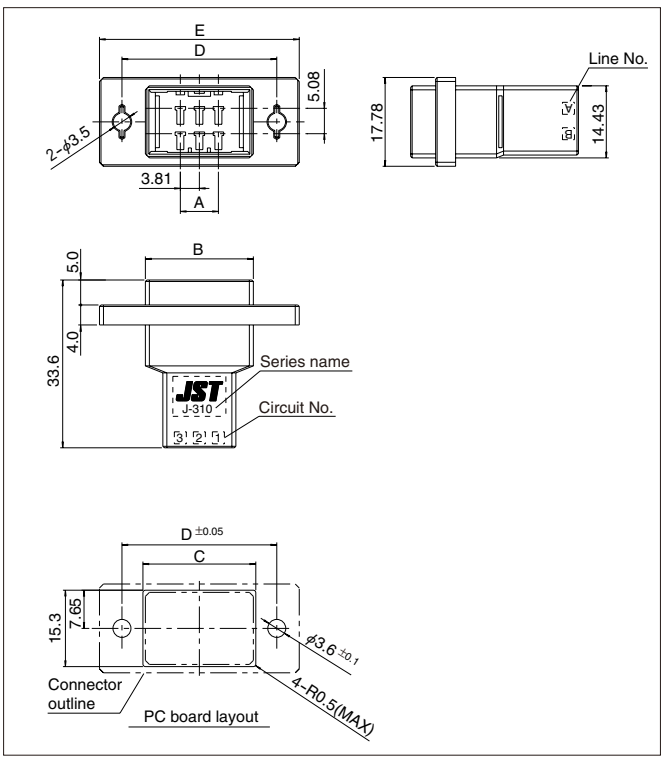

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | — | **F31MDF-06V-K** | 7.62 | 21.62 | 25.57 | 200 |
| 8 | — | **F31MDF-08V-K** | 11.43 | 25.43 | 29.38 | 100 |
| 10 | — | **F31MDF-10V-K** | 15.24 | 29.24 | 33.19 | 100 |
| 12 | — | **F31MDF-12V-K** | 19.05 | 33.05 | 37.00 | 100 |
| 16 | — | **F31MDF-16V-K** | 26.67 | 40.67 | 44.62 | 100 |
| 20 | — | **F31MDF-20V-K** | 34.29 | 48.29 | 52.24 | 100 |

Material

Glass-filled PBT, UL94V-0, black

***RoHS compliance***

## Tab housing (Panel mounting type)



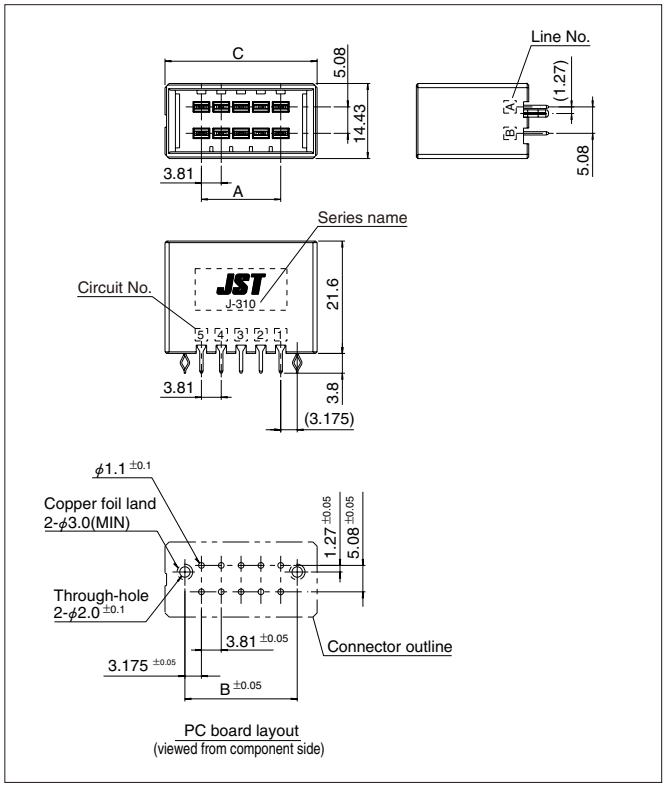

| Circuits | Keying | Model No. | Dimensions (mm) | | | | | Q'ty / bag |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 6 | — | **F31MDP-06V-K** | 7.62 | 21.62 | 22.60 | 31.00 | 40.00 | 200 |
| 8 | — | **F31MDP-08V-K** | 11.43 | 25.43 | 26.40 | 34.50 | 43.50 | 100 |
| 10 | — | **F31MDP-10V-K** | 15.24 | 29.24 | 30.20 | 38.00 | 47.00 | 100 |
| 12 | — | **F31MDP-12V-K** | 19.05 | 33.05 | 34.00 | 42.00 | 51.00 | 100 |
| 16 | — | **F31MDP-16V-K** | 26.67 | 40.67 | 41.60 | 50.00 | 59.00 | 100 |
| 20 | — | **F31MDP-20V-K** | 34.29 | 48.29 | 49.20 | 58.00 | 67.00 | 100 |

Material

Glass-filled PBT, UL94V-0, black

***RoHS compliance***

## Header (Top entry type)



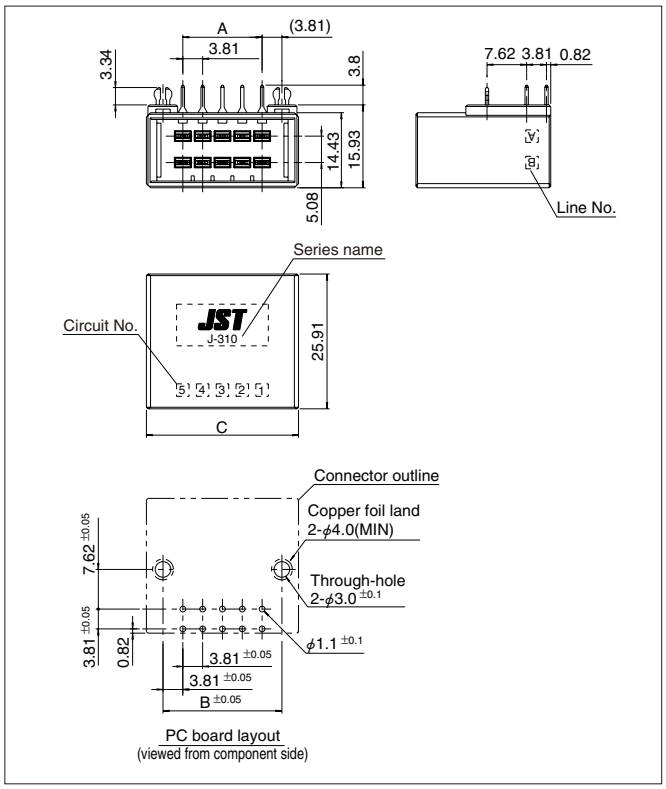

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | — | **B06B-F31DK-GGR** | 7.62 | 13.97 | 21.62 | 132 |
| 8 | — | **B08B-F31DK-GGR** | 11.43 | 17.78 | 25.43 | 108 |
| 10 | — | **B10B-F31DK-GGR** | 15.24 | 21.59 | 29.24 | 96 |
| 12 | — | **B12B-F31DK-GGR** | 19.05 | 25.40 | 33.05 | 84 |
| 16 | — | **B16B-F31DK-GGR** | 26.67 | 33.02 | 40.67 | 72 |
| 20 | — | **B20B-F31DK-GGR** | 34.29 | 40.64 | 48.29 | 60 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF) (AU)on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Header (Side entry type)



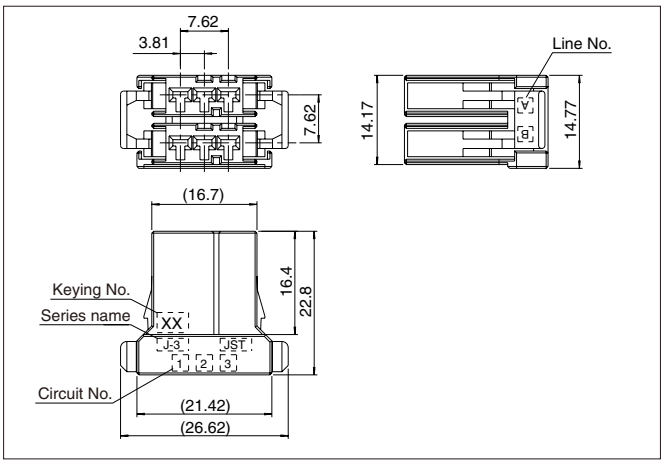

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | — | **S06B-F31DK-GGR** | 7.62 | 15.24 | 21.62 | 88 |
| 8 | — | **S08B-F31DK-GGR** | 11.43 | 19.05 | 25.43 | 72 |
| 10 | — | **S10B-F31DK-GGR** | 15.24 | 22.86 | 29.24 | 64 |
| 12 | — | **S12B-F31DK-GGR** | 19.05 | 26.67 | 33.05 | 56 |
| 16 | — | **S16B-F31DK-GGR** | 26.67 | 34.29 | 40.67 | 48 |
| 20 | — | **S20B-F31DK-GGR** | 34.29 | 41.91 | 48.29 | 40 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF) (AU)on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Receptacle housing

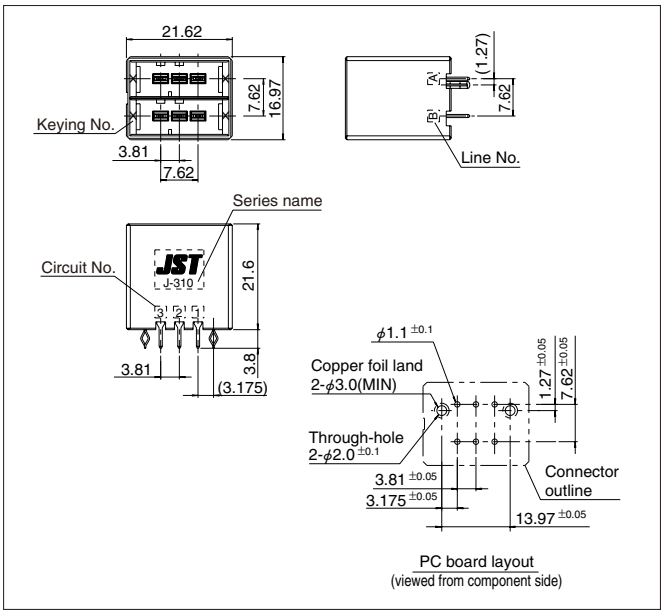



| Circuits | Keying | Model No. | Q'ty / box |
|---|---|---|---|
| 6 | XX | **F31FMS-06V-KXX** | 100 |
| | YY | **F31FMS-06V-KYY** | 100 |
| | XY | **F31FMS-06V-KXY** | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Header (Top entry type)

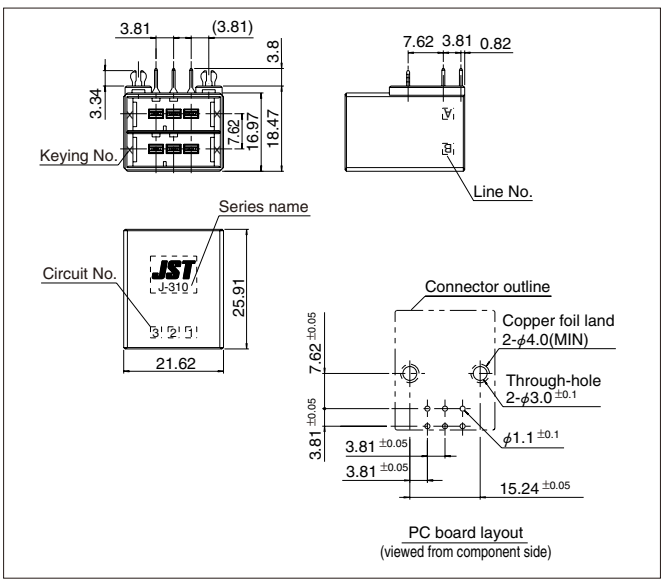



| Circuits | Keying | Model No. | Q'ty / box |
|---|---|---|---|
| 6 | XX | **B06B-F31MK-GGXXR** | 132 |
| | YY | **B06B-F31MK-GGYYR** | 132 |
| | XY | **B06B-F31MK-GGXYR** | 132 |

| Material and Finish |
|---|
| Tab contact: Copper alloy, nickel-undercoated, selective gold-plated<br>Housing: Glass-filled PBT, UL94V-0, black<br>Reinforcing metal fixture: Copper alloy, nickel-undercoated, selective gold-plated |

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Header (Side entry type)



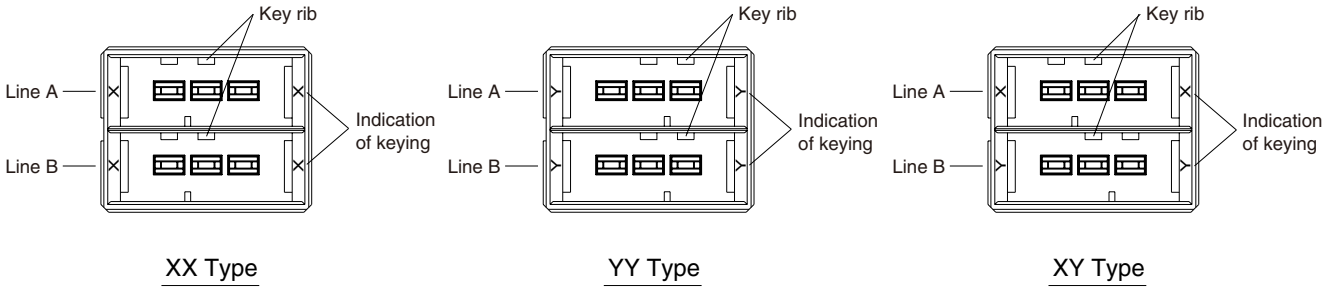

| Circuits | Keying | Model No. | Q'ty / box |
|---|---|---|---|
| 6 | XX | **S06B-F31MK-GGXXR** | 88 |
| | YY | **S06B-F31MK-GGYYR** | 88 |
| | XY | **S06B-F31MK-GGXYR** | 88 |

| Material and Finish |
|---|
| Tab contact: Copper alloy, nickel-undercoated, selective gold-plated<br>Housing: Glass-filled PBT, UL94V-0, black<br>Reinforcing metal fixture: Copper alloy, nickel-undercoated, selective gold-plated |

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## 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

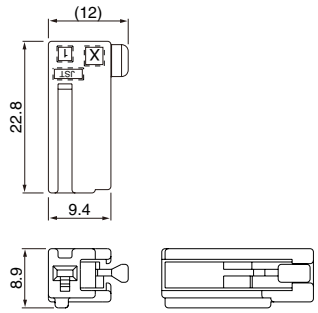
With the combination of the J310M headers and the J310M/J310S (3 circuits) receptacle housings, the following modular combinations are possible.

| 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-GGX■ | Single-row 3 circuits (J310S) | X Type S03B-F31SK-GGX■ |
| | Y Type | F31FSS-03V-KY | | Y Type B03B-F31SK-GGY■ | | Y Type S03B-F31SK-GGY■ |
| Double-row 6 circuits (J310M) | XX Type | F31FMS-06V-KXX | Double-row 6 circuits (J310M) | XX Type B06B-F31MK-GGXX■ | Double-row 6 circuits (J310M) | XX Type S06B-F31MK-GGXX■ |
| | YY Type | F31FMS-06V-KYY | | YY Type B06B-F31MK-GGYY■ | | YY Type S06B-F31MK-GGYY■ |
| | XY Type | F31FMS-06V-KXY | | XY Type B06B-F31MK-GGXY■ | | XY Type S06B-F31MK-GGXY■ |

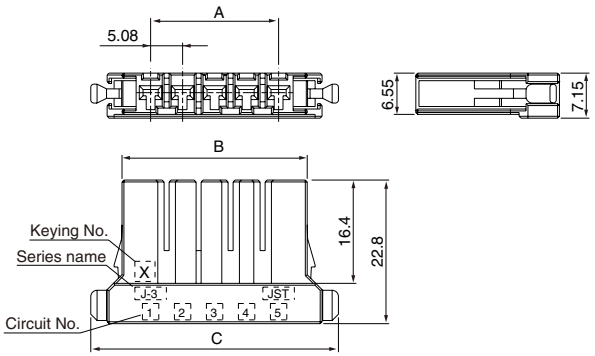
Note: Packaging method is indicated in ■. (R=Tray)

## Receptacle housing

• **Single circuit**




• **2 to 6 circuits**



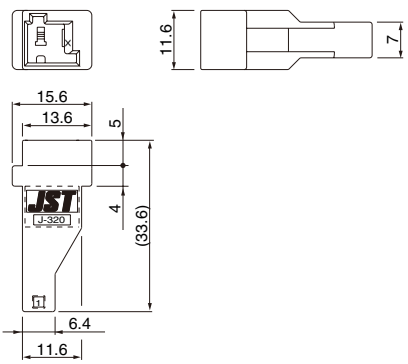

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1 | X | **F32FSS-01V-KX** | — | — | — | 200 |
| | Y | **F32FSS-01V-KY** | — | — | — | 200 |
| 2 | X | **F32FSS-02V-KX** | 5.08 | 14.16 | 24.08 | 200 |
| | Y | **F32FSS-02V-KY** | 5.08 | 14.16 | 24.08 | 200 |
| 3 | X | **F32FSS-03V-KX** | 10.16 | 19.24 | 29.16 | 200 |
| | Y | **F32FSS-03V-KY** | 10.16 | 19.24 | 29.16 | 200 |
| 4 | X | **F32FSS-04V-KX** | 15.24 | 24.32 | 34.24 | 200 |
| | Y | **F32FSS-04V-KY** | 15.24 | 24.32 | 34.24 | 200 |
| 5 | X | **F32FSS-05V-KX** | 20.32 | 29.40 | 39.32 | 200 |
| | Y | **F32FSS-05V-KY** | 20.32 | 29.40 | 39.32 | 200 |
| 6 | X | **F32FSS-06V-KX** | 25.40 | 34.48 | 44.40 | 100 |
| | Y | **F32FSS-06V-KY** | 25.40 | 34.48 | 44.40 | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

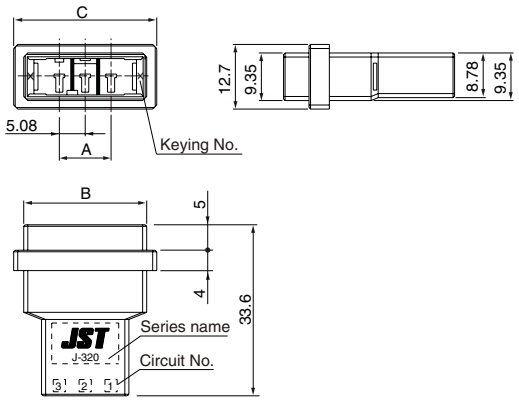
***RoHS compliance***

## Tab housing (Free hanging type)

• **Single circuit**




• **2 to 4 circuits**



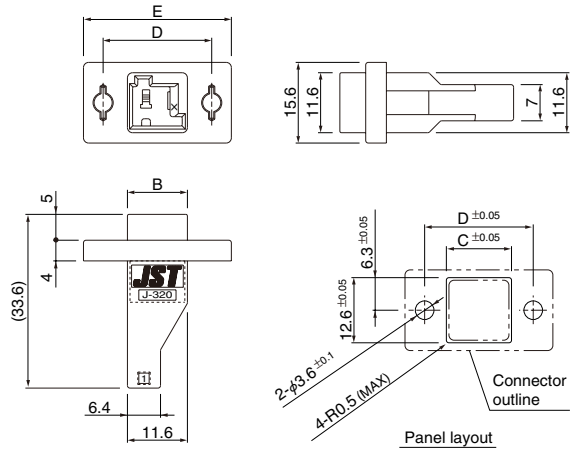

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 1 | X | **F32MSF-01V-KX** | — | — | — | 150 |
| | Y | **F32MSF-01V-KY** | — | — | — | 150 |
| 2 | X | **F32MSF-02V-KX** | 5.08 | 19.08 | 23.03 | 200 |
| | Y | **F32MSF-02V-KY** | 5.08 | 19.08 | 23.03 | 200 |
| 3 | X | **F32MSF-03V-KX** | 10.16 | 24.16 | 28.11 | 200 |
| | Y | **F32MSF-03V-KY** | 10.16 | 24.16 | 28.11 | 200 |
| 4 | X | **F32MSF-04V-KX** | 15.24 | 29.24 | 33.19 | 200 |
| | Y | **F32MSF-04V-KY** | 15.24 | 29.24 | 33.19 | 200 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

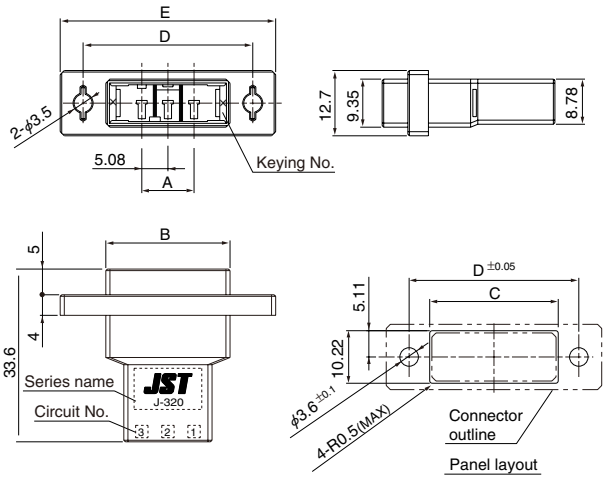
***RoHS compliance***

## Tab housing (Panel mounting type)

**• Single circuit**




**• 2 to 4 circuits**

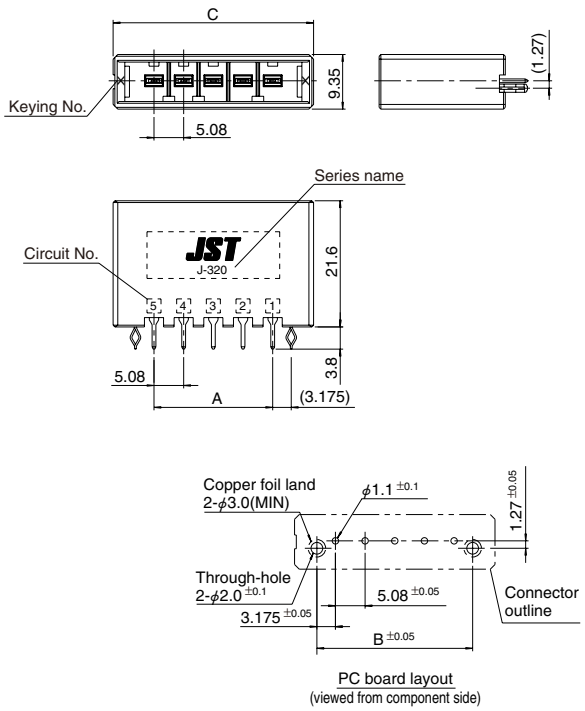



| Circuits | Keying | Model No. | Dimensions (mm) | | | | | Q'ty / bag |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 1 | X | **F32MSP-01V-KX** | — | 11.60 | 12.60 | 21.00 | 28.60 | 150 |
| | Y | **F32MSP-01V-KY** | — | 11.60 | 12.60 | 21.00 | 28.60 | 150 |
| 2 | X | **F32MSP-02V-KX** | 5.08 | 19.08 | 20.00 | 28.00 | 36.83 | 200 |
| | Y | **F32MSP-02V-KY** | 5.08 | 19.08 | 20.00 | 28.00 | 36.83 | 200 |
| 3 | X | **F32MSP-03V-KX** | 10.16 | 24.16 | 25.00 | 33.00 | 41.91 | 200 |
| | Y | **F32MSP-03V-KY** | 10.16 | 24.16 | 25.00 | 33.00 | 41.91 | 200 |
| 4 | X | **F32MSP-04V-KX** | 15.24 | 29.24 | 30.00 | 38.00 | 46.99 | 200 |
| | Y | **F32MSP-04V-KY** | 15.24 | 29.24 | 30.00 | 38.00 | 46.99 | 200 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Header (Top entry type)



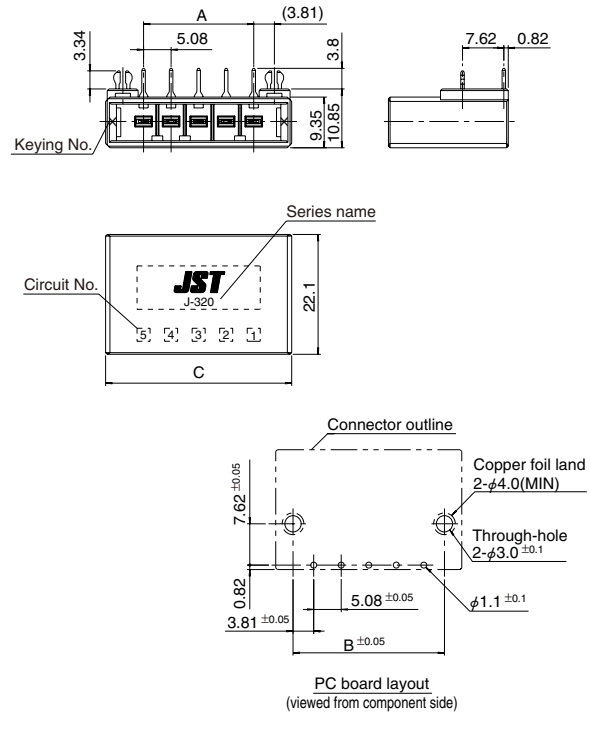

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 2 | X | **B02B-F32SK-GGXR** | 5.08 | 11.43 | 19.08 | 240 |
| | Y | **B02B-F32SK-GGYR** | 5.08 | 11.43 | 19.08 | 240 |
| 3 | X | **B03B-F32SK-GGXR** | 10.16 | 16.51 | 24.16 | 200 |
| | Y | **B03B-F32SK-GGYR** | 10.16 | 16.51 | 24.16 | 200 |
| 4 | X | **B04B-F32SK-GGXR** | 15.24 | 21.59 | 29.24 | 160 |
| | Y | **B04B-F32SK-GGYR** | 15.24 | 21.59 | 29.24 | 160 |
| 5 | X | **B05B-F32SK-GGXR** | 20.32 | 26.67 | 34.32 | 140 |
| | Y | **B05B-F32SK-GGYR** | 20.32 | 26.67 | 34.32 | 140 |
| 6 | X | **B06B-F32SK-GGXR** | 25.40 | 31.75 | 39.40 | 120 |
| | Y | **B06B-F32SK-GGYR** | 25.40 | 31.75 | 39.40 | 120 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Header (Side entry type)



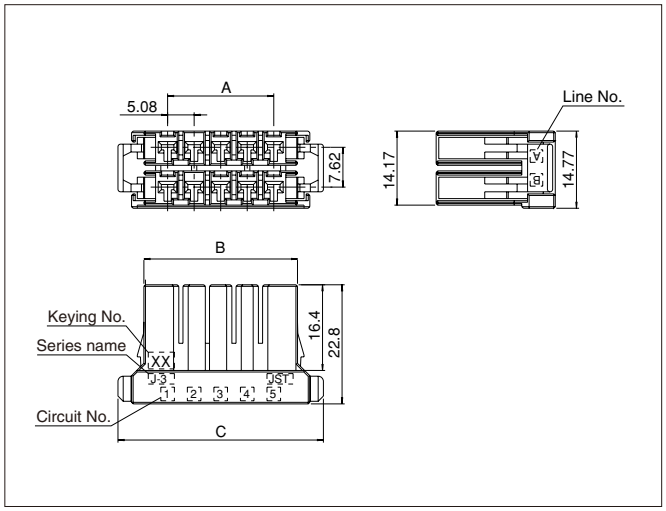

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 2 | X | **S02B-F32SK-GGXR** | 5.08 | 12.70 | 19.08 | 180 |
| | Y | **S02B-F32SK-GGYR** | 5.08 | 12.70 | 19.08 | 180 |
| 3 | X | **S03B-F32SK-GGXR** | 10.16 | 17.78 | 24.16 | 150 |
| | Y | **S03B-F32SK-GGYR** | 10.16 | 17.78 | 24.16 | 150 |
| 4 | X | **S04B-F32SK-GGXR** | 15.24 | 22.86 | 29.24 | 120 |
| | Y | **S04B-F32SK-GGYR** | 15.24 | 22.86 | 29.24 | 120 |
| 5 | X | **S05B-F32SK-GGXR** | 20.32 | 27.94 | 34.32 | 105 |
| | Y | **S05B-F32SK-GGYR** | 20.32 | 27.94 | 34.32 | 105 |
| 6 | X | **S06B-F32SK-GGXR** | 25.40 | 33.02 | 39.40 | 90 |
| | Y | **S06B-F32SK-GGYR** | 25.40 | 33.02 | 39.40 | 90 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Receptacle housing

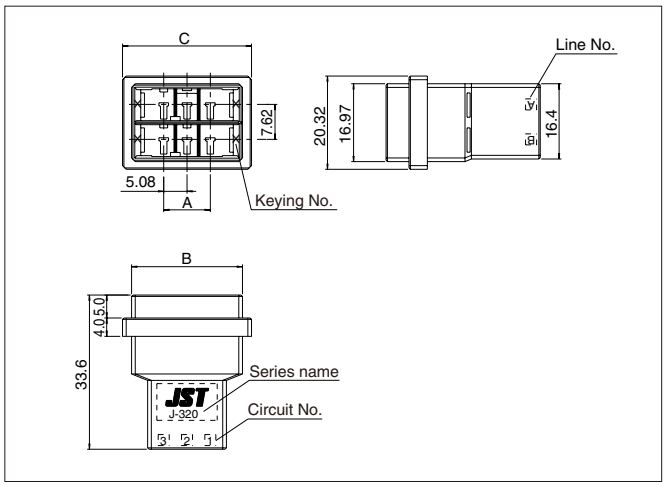



| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | XX | **F32FMS-06V-KXX** | 10.16 | 19.24 | 29.16 | 100 |
| | YY | **F32FMS-06V-KYY** | 10.16 | 19.24 | 29.16 | 100 |
| | XY | **F32FMS-06V-KXY** | 10.16 | 19.24 | 29.16 | 100 |
| 10 | XX | **F32FMS-10V-KXX** | 20.32 | 29.40 | 39.32 | 100 |
| | YY | **F32FMS-10V-KYY** | 20.32 | 29.40 | 39.32 | 100 |
| | XY | **F32FMS-10V-KXY** | 20.32 | 29.40 | 39.32 | 100 |
| 12 | XX | **F32FMS-12V-KXX** | 25.40 | 34.48 | 44.40 | 100 |
| | YY | **F32FMS-12V-KYY** | 25.40 | 34.48 | 44.40 | 100 |
| | XY | **F32FMS-12V-KXY** | 25.40 | 34.48 | 44.40 | 100 |
| 20 | XX | **F32FMS-20V-KXX** | 45.72 | 54.80 | 64.72 | 96(box) |
| | YY | **Under planning** | — | — | — | — |
| | XY | **Under planning** | — | — | — | — |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Tab housing (Free hanging type)

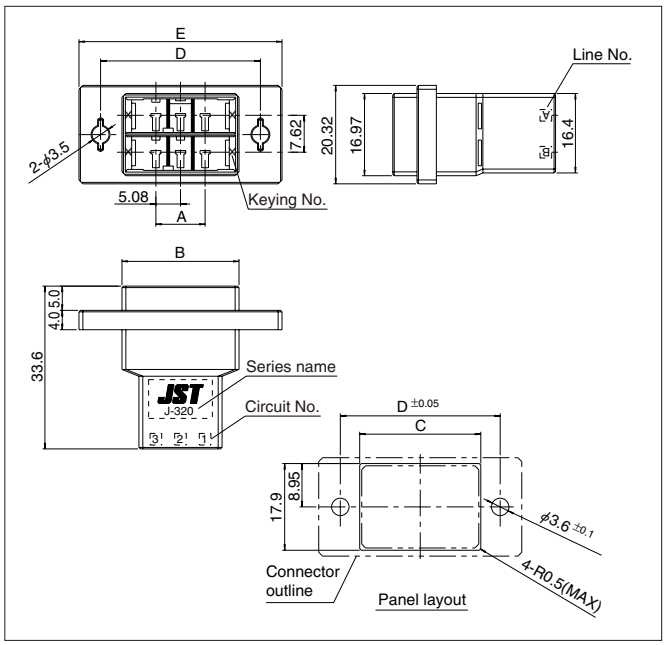



| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / bag |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | XX | **F32MDF-06V-KXX** | 10.16 | 24.16 | 28.11 | 100 |
| | YY | **F32MDF-06V-KYY** | 10.16 | 24.16 | 28.11 | 100 |
| | XY | **F32MDF-06V-KXY** | 10.16 | 24.16 | 28.11 | 100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

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Tab housing (Panel mounting type)

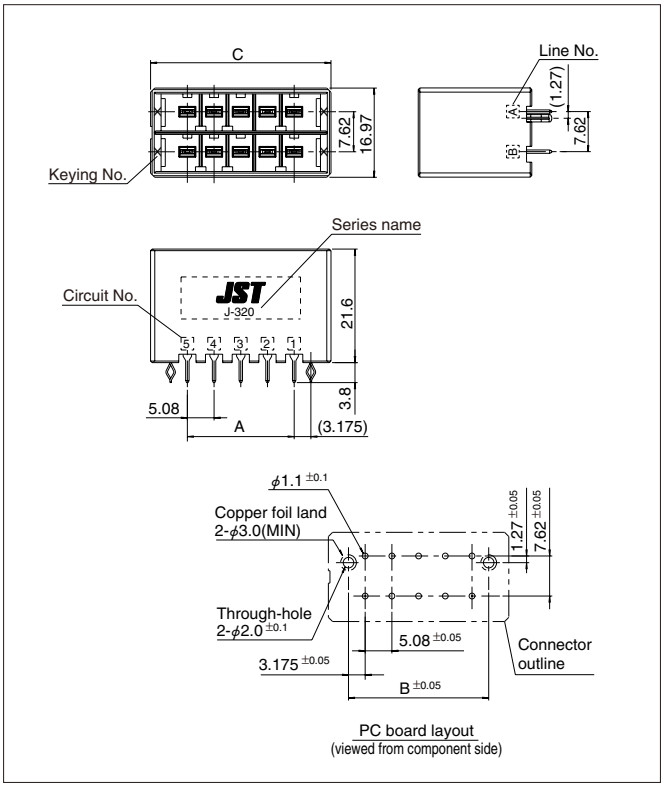



| Circuits | Keying | Model No. | Dimensions (mm) | | | | | Q'ty / bag |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 6 | XX | **F32MDP-06V-KXX** | 10.16 | 24.16 | 25.00 | 33.00 | 41.91 | 100 |
| | YY | **F32MDP-06V-KYY** | 10.16 | 24.16 | 25.00 | 33.00 | 41.91 | 100 |
| | XY | **F32MDP-06V-KXY** | 10.16 | 24.16 | 25.00 | 33.00 | 41.91 | 100 |
| 12 | XX | **F32MDP-12V-KXX** | 25.40 | 39.40 | 41.00 | 49.00 | 57.91 | 100 |
| | YY | **F32MDP-12V-KYY** | 25.40 | 39.40 | 41.00 | 49.00 | 57.91 | 100 |
| | XY | **F32MDP-12V-KXY** | 25.40 | 39.40 | 41.00 | 49.00 | 57.91 | 100 |
| 20 | XX | **F32MDP-20V-KXX** | 45.72 | 59.72 | 61.00 | 70.00 | 78.23 | 40(box) |
| | YY | **Under planning** | — | — | — | — | — | — |
| | XY | **Under planning** | — | — | — | — | — | — |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Header (Top entry type)



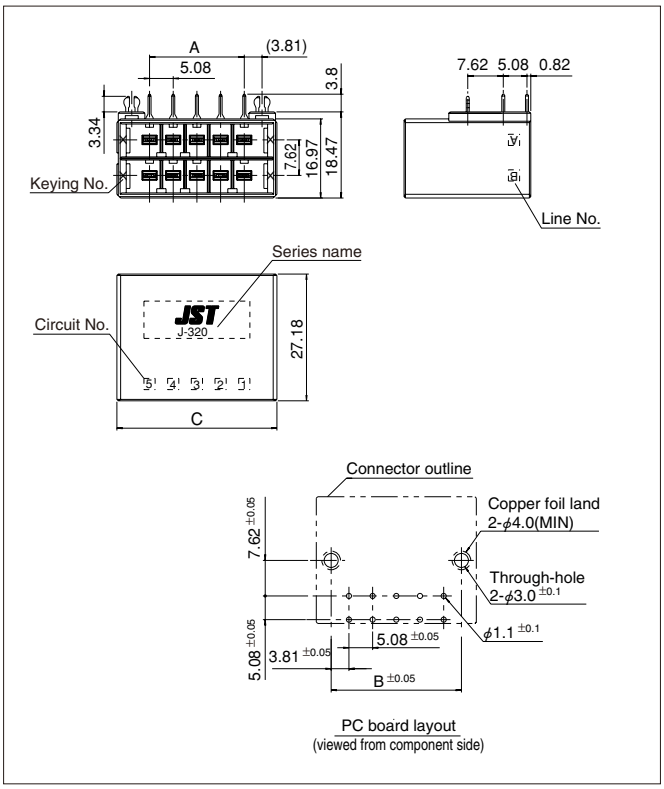

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | XX | **B06B-F32MK-GGXXR** | 10.16 | 16.51 | 24.16 | 120 |
| | YY | **B06B-F32MK-GGYYR** | 10.16 | 16.51 | 24.16 | 120 |
| | XY | **B06B-F32MK-GGXYR** | 10.16 | 16.51 | 24.16 | 120 |
| 10 | XX | **B10B-F32MK-GGXXR** | 20.32 | 26.67 | 34.32 | 84 |
| | YY | **B10B-F32MK-GGYYR** | 20.32 | 26.67 | 34.32 | 84 |
| | XY | **B10B-F32MK-GGXYR** | 20.32 | 26.67 | 34.32 | 84 |
| 12 | XX | **B12B-F32MK-GGXXR** | 25.40 | 31.75 | 39.40 | 72 |
| | YY | **B12B-F32MK-GGYYR** | 25.40 | 31.75 | 39.40 | 72 |
| | XY | **B12B-F32MK-GGXYR** | 25.40 | 31.75 | 39.40 | 72 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## Header (Side entry type)




| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 6 | XX | **S06B-F32MK-GGXXR** | 10.16 | 17.78 | 24.16 | 80 |
| | YY | **S06B-F32MK-GGYYR** | 10.16 | 17.78 | 24.16 | 80 |
| | XY | **S06B-F32MK-GGXYR** | 10.16 | 17.78 | 24.16 | 80 |
| 8 | XY | **S08B-F32MK-GGXYR** | 15.24 | 22.86 | 29.24 | 64 |
| 10 | XX | **S10B-F32MK-GGXXR** | 20.32 | 27.94 | 34.32 | 56 |
| | YY | **S10B-F32MK-GGYYR** | 20.32 | 27.94 | 34.32 | 56 |
| | XY | **S10B-F32MK-GGXYR** | 20.32 | 27.94 | 34.32 | 56 |
| 12 | XX | **S12B-F32MK-GGXXR** | 25.40 | 33.02 | 39.40 | 48 |
| | YY | **S12B-F32MK-GGYYR** | 25.40 | 33.02 | 39.40 | 48 |
| | XY | **S12B-F32MK-GGXYR** | 25.40 | 33.02 | 39.40 | 48 |

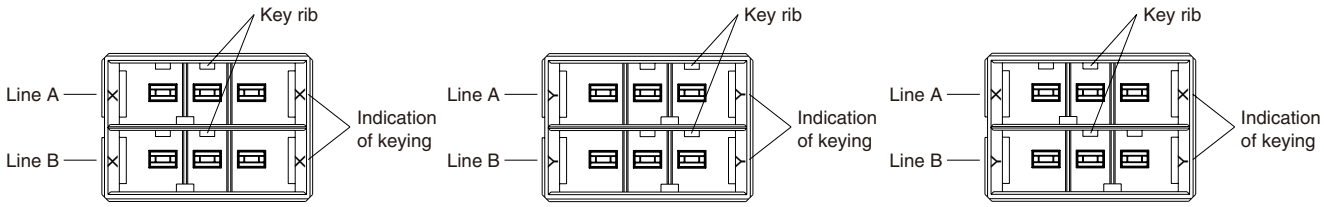
Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for the headers supplied in magazine stick.*
*2. Contact JST for 0.76 μm gold-plated product and tin-plated product.*

## 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.

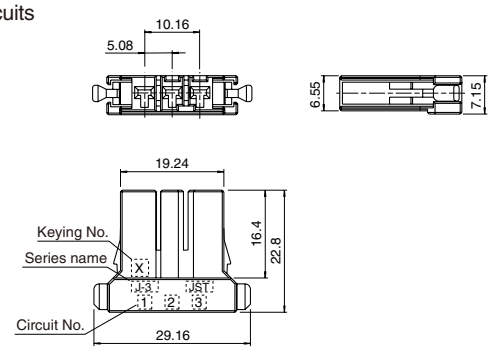
| Receptacle housing | | Tab housing | | Header | |
|---|---|---|---|---|---|
| Single-row 3, 5, 6 circuits (J320S) | X type<br>F32FSS-■■V-KX | Single-row 3 circuits (J320S) | X type<br>Free hanging type<br>F32MSF-■■V-KX<br>Panel mounting type<br>F32MSP-■■V-KX | Single-row 3, 5, 6 circuits (J320S) | X type<br>Top entry type<br>B■■B-F32SK-GGX■<br>Side entry type<br>S■■B-F32SK-GGX■ |
| | Y type<br>F32FSS-■■V-KY | | Y type<br>Free hanging type<br>F32MSF-■■V-KY<br>Panel mounting type<br>F32MSP-■■V-KY | | Y type<br>Top entry type<br>B■■B-F32SK-GGY■<br>Side entry type<br>S■■B-F32SK-GGY■ |
| Double-row 6,10,12,20 circuits (J320M) | XX type<br>F32FMS-■■V-KXX | Double-row 6,12,20 circuits (J320M) | XX type<br>Free hanging type<br>F32MDF-■■V-KXX<br>Panel mounting type<br>F32MDP-■■V-KXX | Double-row 6,10,12 circuits (J320M) | XX type<br>Top entry type<br>B■■B-F32MK-GGXX■<br>Side entry type<br>S■■B-F32MK-GGXX■ |
| | YY type<br>F32FMS-■■V-KYY | | YY type<br>Free hanging type<br>F32MDF-■■V-KYY<br>Panel mounting type<br>F32MDP-■■V-KYY | | YY type<br>Top entry type<br>B■■B-F32MK-GGYY■<br>Side entry type<br>S■■B-F32MK-GGYY■ |
| | XY type<br>F32FMS-■■V-KXY | | XY type<br>Free hanging type<br>F32MDF-■■V-KXY<br>Panel mounting type<br>F32MDP-■■V-KXY | | XY type<br>Top entry type<br>B■■B-F32MK-GGXY■<br>Side entry type<br>S■■B-F32MK-GGXY■ |

Note: Number of circuits is indicated in ■■.
Packaging method is indicated in ■.

## Receptacle housing

**Single-row type**

• 3 circuits



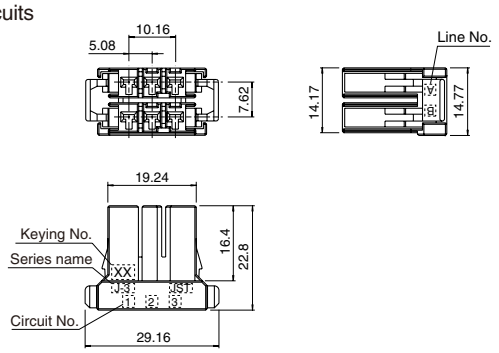

| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 3 | X | **F32FSS-03V-KX** | 200 |
| | Y | **F32FSS-03V-KY** | 200 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

**Double-row type**

• 6 circuits

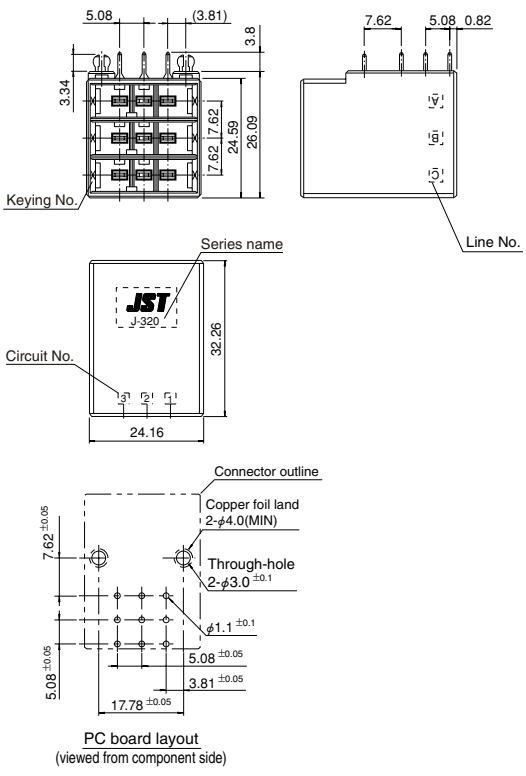



| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 6 | XX | **F32FMS-06V-KXX** | 100 |
| | YY | **F32FMS-06V-KYY** | 100 |
| | XY | **F32FMS-06V-KXY** | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***

## Header (Side entry type)




| Circuits | Keying | Model No. | Q'ty / box |
|---|---|---|---|
| 9 | XXX | **S09B-F32TK-GGXAR** | 42 |
| | XXY | **S09B-F32TK-GGXBR** | 42 |
| | XYX | **S09B-F32TK-GGXCR** | 42 |
| | YYX | **S09B-F32TK-GGXDR** | 42 |

| Material and Finish |
|---|
| Tab contact: Copper alloy, nickel-undercoated, selective gold-plated<br>Housing: Glass-filled PBT, UL94V-0, black<br>Reinforcing metal fixture: Copper alloy, nickel-undercoated, selective gold-plated |

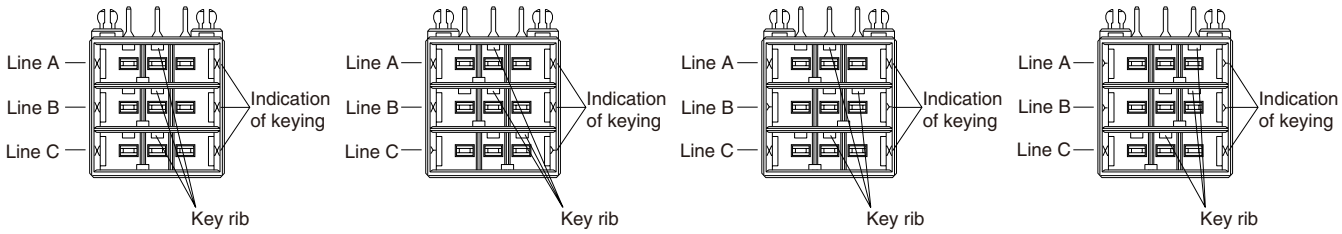
***RoHS compliance*** *This product displays (LF)(AU) on a label.*

*Note: 1. Contact JST for tin-plated product.*

*2. Not CSA/TÜV approved*

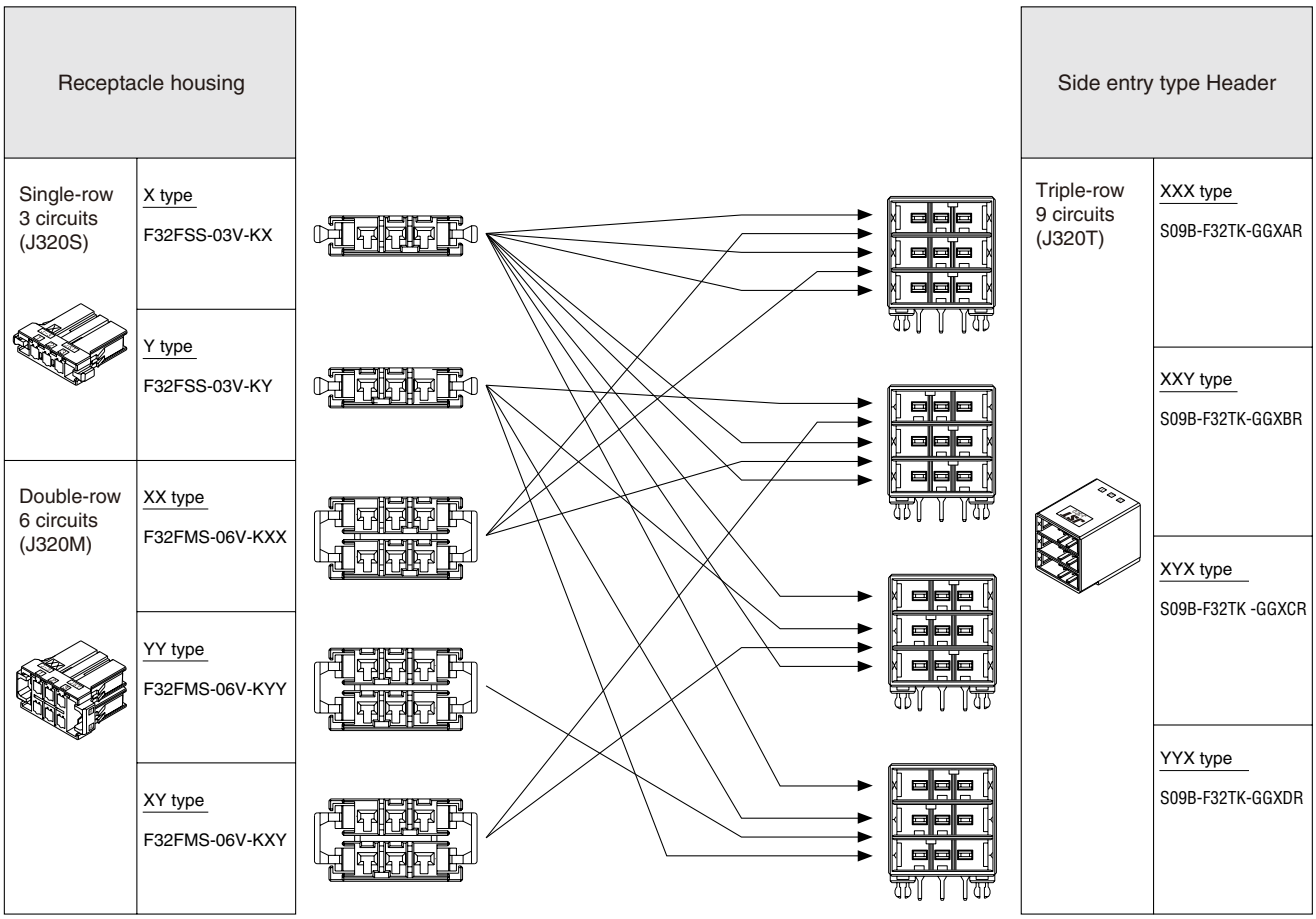
## Keying

J320T series have mis-insertion preventive keying.
Available in 4 types – XXX type, XXY type, XYX type and YYX type.
(Headers viewed from the mating side are shown below.)

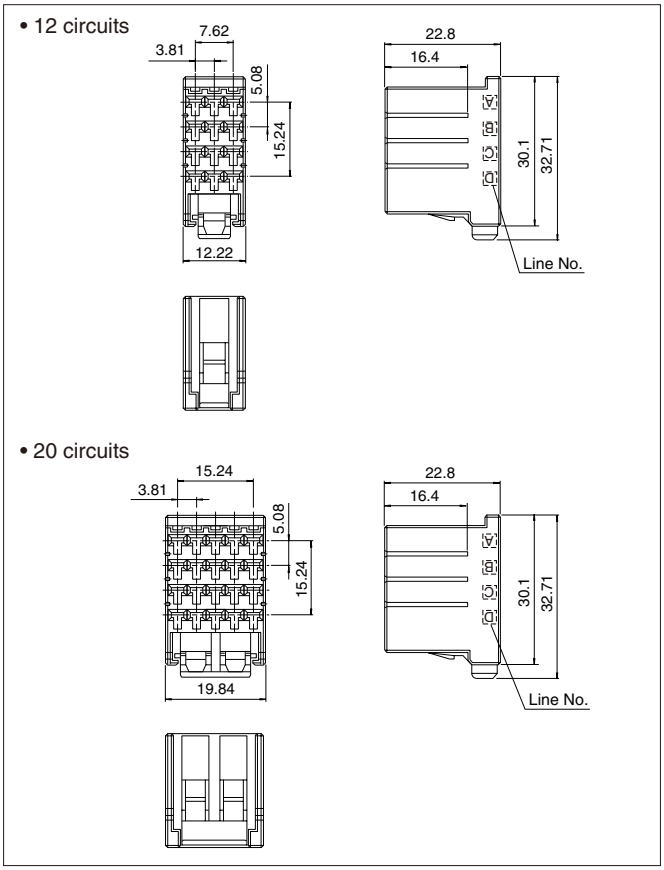



## List of combinations

With the combination of the J320T headers and the J320S/J320M receptacle housings, the following modular combinations are possible.



## Receptacle housing

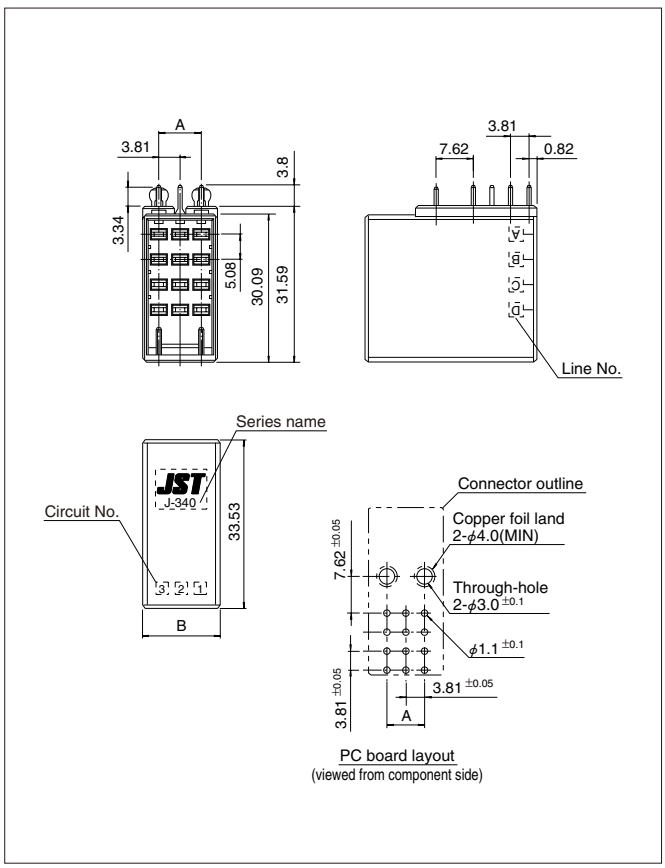



| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 12 | — | **F34FFC-12V-K** | 100 |
| 20 | — | **F34FFC-20V-K** | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***
*Note: Not CSA/TÜV approved.*

## Header (Side entry type)

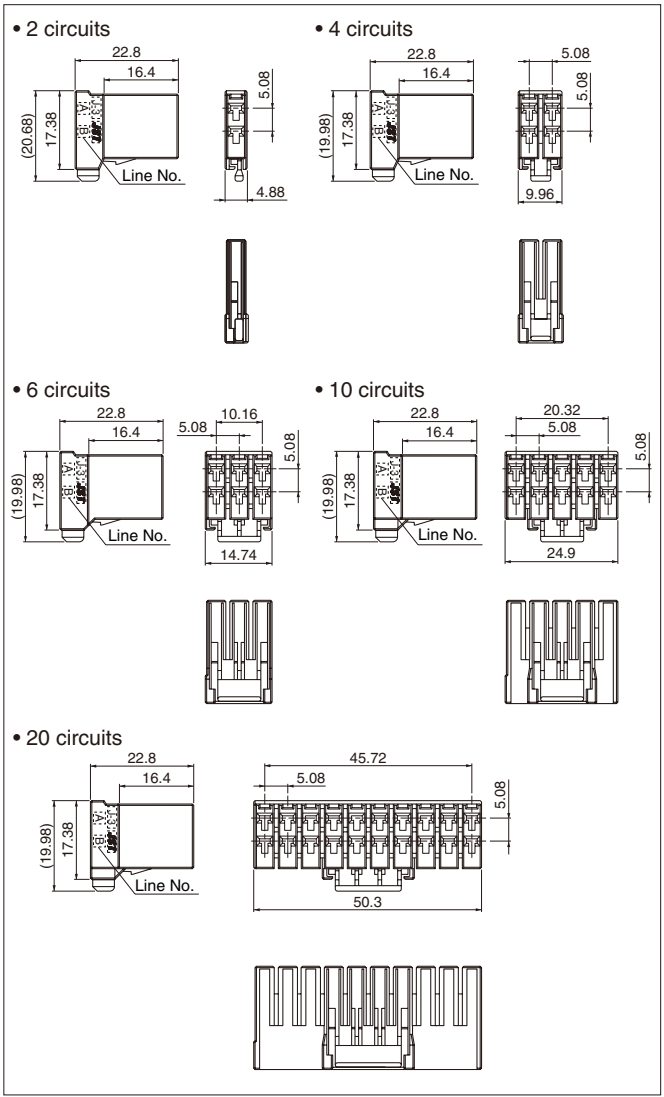



| Circuits | Keying | Model No. | Dimensions (mm) | | Q'ty / box |
|---|---|---|---|---|---|
| | | | A | B | |
| 12 | — | **SC12B-F34FK-GGR** | 7.62 | 15.02 | 63 |
| 20 | — | **SC20B-F34FK-GGR** | 15.24 | 22.64 | 42 |

| Material and Finish |
|---|
| Tab contact: Copper alloy, nickel-undercoated, selective gold-plated<br>Housing: Glass-filled PBT, UL94V-0, black<br>Reinforcing metal fixture: Copper alloy, nickel-undercoated, selective gold-plated |

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for tin-plated product.*
*2. Not CSA/TÜV approved.*

## Receptacle housing

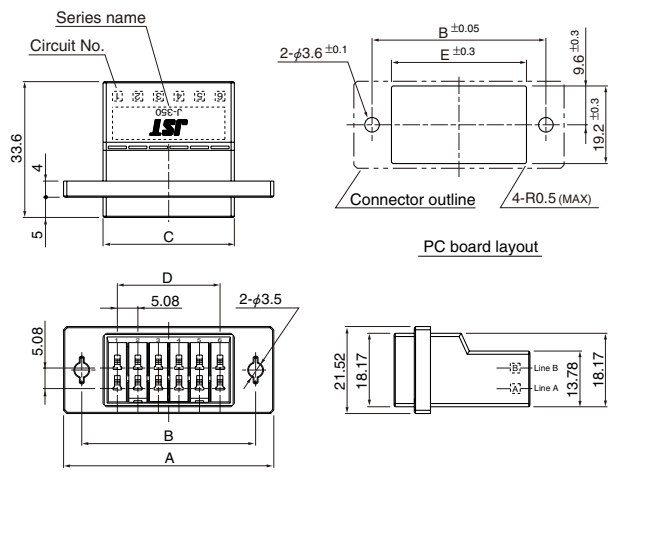



| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 2 | — | **F35FDC-02V-K** | 200 |
| 4 | — | **F35FDC-04V-K** | 200 |
| 6 | — | **F35FDC-06V-K** | 200 |
| 10 | — | **F35FDC-10V-K** | 100 |
| 20 | — | **F35FDC-20V-K** | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***
*Note: Not CSA/TÜV approved.*

## Tab housing (Panel mounting type)

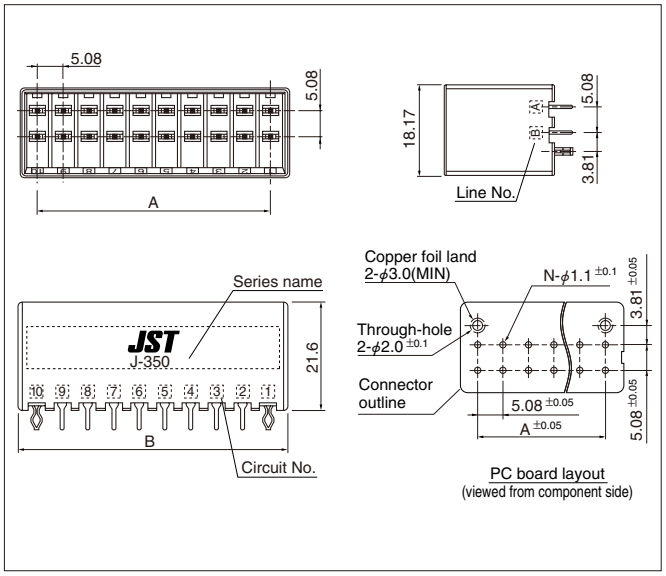



| Circuits | Keying | Model No. | Dimensions (mm) | | | | | Q'ty / box |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 12 | — | **F35MDP-12V-K** | 52.00 | 43.00 | 32.48 | 25.40 | 33.40 | 41 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***
*Note: Not CSA/UL/TÜV approved.*

## Header (Top entry type)



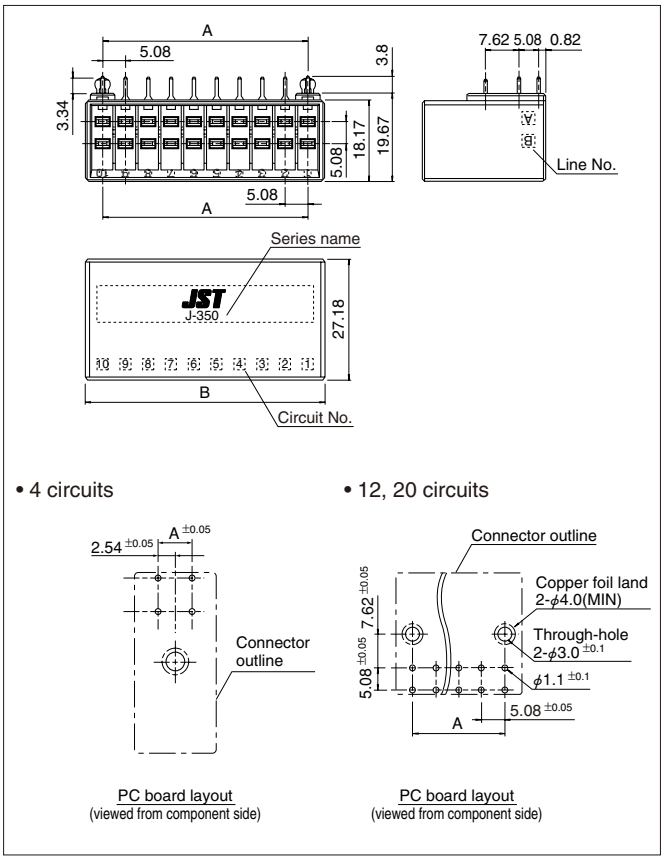

| Circuits | Keying | Model No. | Dimensions (mm) | | Q'ty / box |
|---|---|---|---|---|---|
| | | | A | B | |
| 12 | — | **BC12B-F35DK-GGR** | 25.4 | 32.48 | 56 |
| 20 | — | **BC20B-F35DK-GGR** | 45.72 | 52.8 | 32 |

Material and Finish

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for tin-plated product.*
*2. Not CSA/TÜV approved.*

## Header (Side entry type)

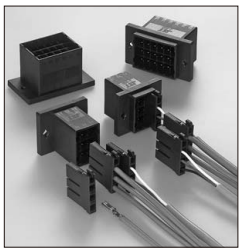



| Circuits | Keying | Model No. | Dimensions (mm) | | Q'ty / box |
|---|---|---|---|---|---|
| | | | A | B | |
| 4 | — | **SC04B-F35DK-GGR** | 5.08 | 12.16 | 152 |
| 12 | — | **SC12B-F35DK-GGR** | 25.4 | 32.48 | 56 |
| 20 | — | **SC20B-F35DK-GGR** | 45.72 | 52.8 | 32 |

Material and Finish

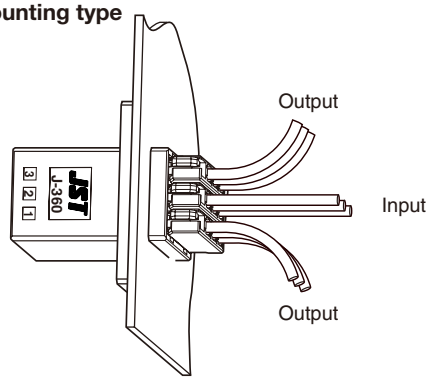
Tab contact: Copper alloy, nickel-undercoated, selective gold-plated
Housing: Glass-filled PBT, UL94V-0, black
Reinforcing metal fixture: Copper alloy, nickel-undercoated, selective gold-plated

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Contact JST for tin-plated product.*
*2. Not CSA/TÜV approved.*

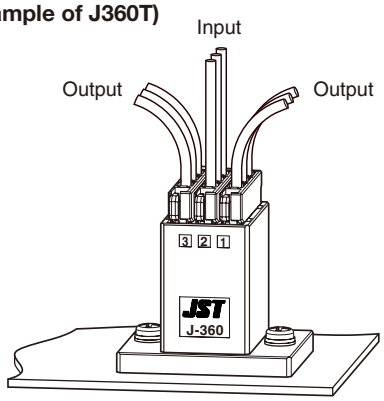


# J300 SERIES/COMMON TYPE CONNECTOR

・**Panel mounting type**




• **Direct mounting type**
**(Example of J360T)**



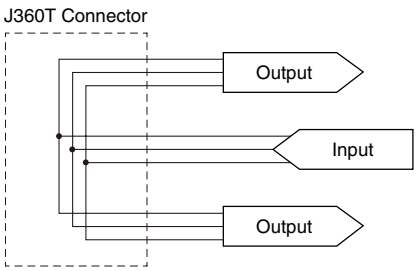

- ***Receptacle terminal of JFA J300 series can be used.***
- ***Between rows are commonly connected.***
- ***Proposing rationalization of wiring.***
- ***Mounting method of connector.***

## *Specifications*

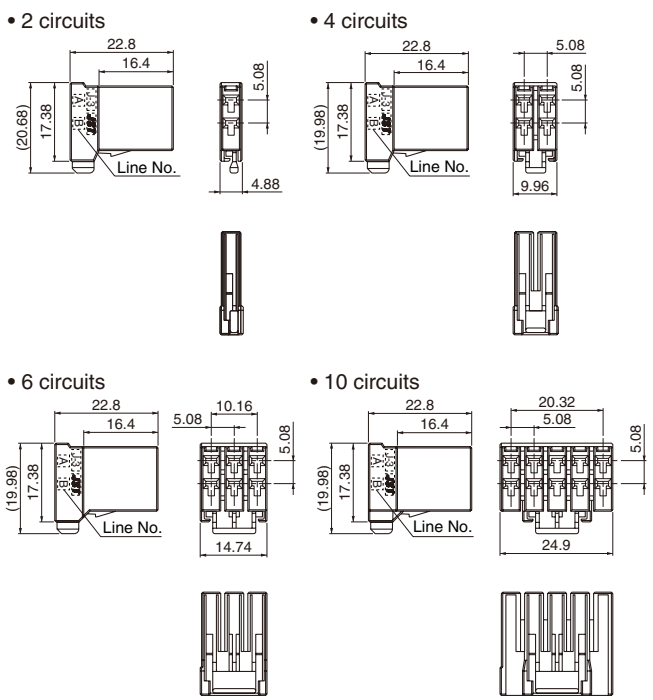
- Current rating: 18A AC, DC (18 circuits/AWG #14)
- Voltage rating: 600V AC, DC
- Temperature range: -55°C to +105°C
  (including temperature rise in applying electrical current)

*Contact JST for details.
*Compliant with RoHS.

## *Circuit figure*



## Receptacle housing

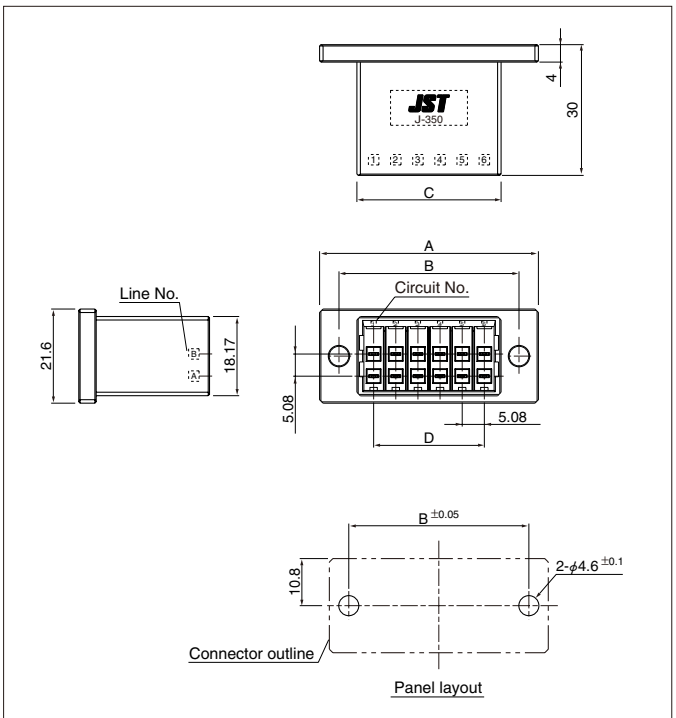



| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 2 | — | **F35FDC-02V-K** | 200 |
| 4 | — | **F35FDC-04V-K** | 200 |
| 6 | — | **F35FDC-06V-K** | 200 |
| 10 | — | **F35FDC-10V-K** | 100 |

| Material |
|---|
| Glass-filled PBT, UL94V-0, black |

***RoHS compliance***
*Note: Not CSA/TÜV approved.*

## Tab housing assembly

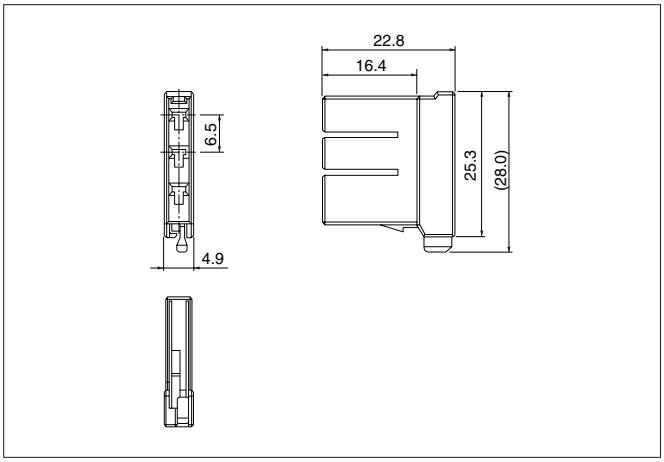



| Circuits | Keying | Model No. | Dimensions (mm) | | | | Q'ty / box |
|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | |
| 12 | — | **P12B-F35DK-GFAR** | 57.0 | 44.6 | 33.08 | 25.4 | 196 |

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

***RoHS compliance*** *This product displays (LF)(AU) on a label.*
*Note: 1. Tightening torque of M3 screw varies depending on screw and material to be tighten as follows.*
*Steel: 50cN • m max.*
*Copper, aluminum and plastics: 30cN • m (reference target value)*
*2. Not CSA/TÜV approved.*

## Receptacle housing




| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 3 | — | **F36FTC-03V-K** | 200 |

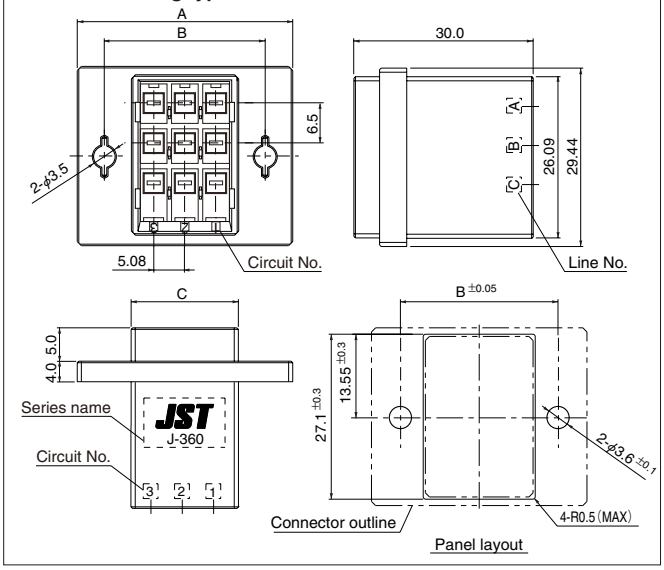
Material

Glass-filled PBT, UL94V-0, black

***RoHS compliance***
*Note: Not CSA/TÜV approved.*

## Tab housing assembly

**• Panel mounting type**



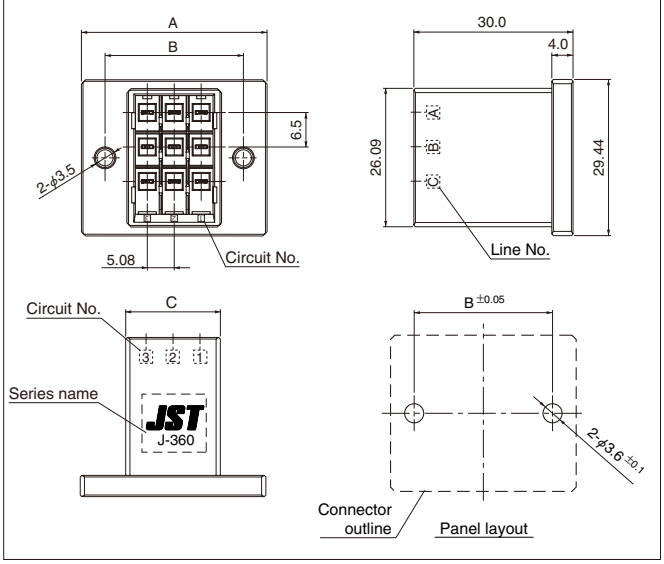

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 9 | — | **P09B-F36TK-GFR** | 35.0 | 26.1 | 17.8 | 364 |
| 18 | — | **P18B-F36TK-GFR** | 50.2 | 41.3 | 33.1 | 224 |

Material and Finish

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

***RoHS compliance***
*Note: 1. Tightening torque of M3 screw varies depending on screw and material to be tighten as follows.*
*Steel: 50cN • m max.*
*Copper, aluminum and plastics: 30cN • m (reference target value)*
*2. Not CSA/TÜV approved.*

**• Direct mounting type**



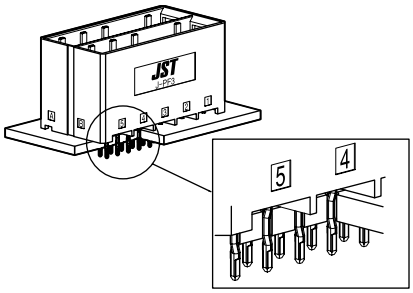

| Circuits | Keying | Model No. | Dimensions (mm) | | | Q'ty / box |
|---|---|---|---|---|---|---|
| | | | A | B | C | |
| 9 | — | **P09B-F36TK-GFAR** | 35.0 | 26.1 | 17.8 | 364 |
| 18 | — | **P18B-F36TK-GFAR** | 50.2 | 41.3 | 33.1 | 224 |
| 24 | — | **P24B-F36TK-GFANR** | 60.4 | 51.5 | 43.2 | 168 |

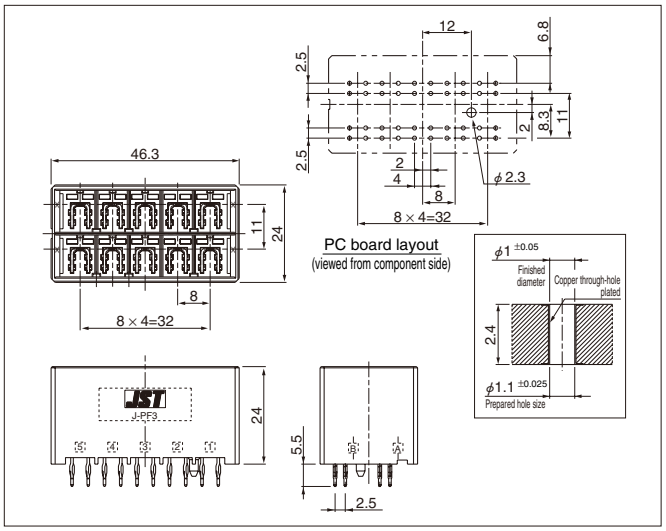
Material and Finish

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

***RoHS compliance***
*Note: 1. Tightening torque of M3 screw varies depending on screw and material to be tighten as follows.*
*Steel: 50cN • m max.*
*Copper, aluminum and plastics: 30cN • m (reference target value)*
*2. There is no cover of common tab side for 24 circuits.*
*P24B-F36TK-GFA**N**R*
***N** means no cover.*
*3. The top and bottom for both the logo mark and the series name of 24 circuits reverse against display of 9 or 18 circuits.*
*4. Not CSA/TÜV approved.*

# J300 SERIES/J-PF3 PRESS FIT TYPE

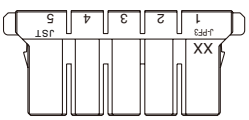


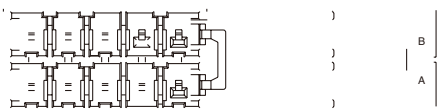




| Circuits | Keying | Model No. | Q'ty / box |
|---|---|---|---|
| 10 | XX | **B10B-JPF3MK-GKXXR** | 96 |
| | YY | **B10B-JPF3MK-GKYYR** | 96 |
| | XY | **B10B-JPF3MK-GKXYR** | 96 |
| | YX | **B10B-JPF3MK-GKYXR** | 96 |

Material and Finish

Post: Copper alloy, gold-plated
Housing: Thermoplastic resin

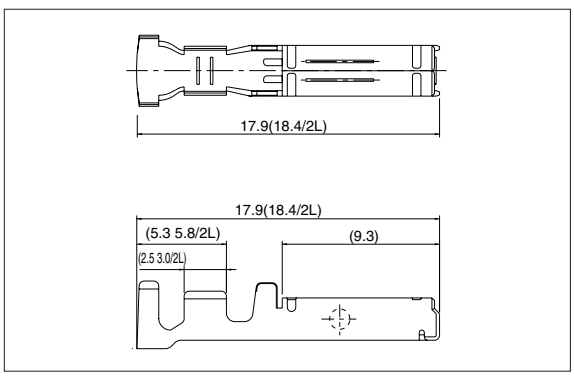



| Circuits | Keying | Model No. | Q'ty / bag |
|---|---|---|---|
| 10 | XX | **JPF3FMS-10V-KXX** | 400 |
| | YY | **JPF3FMS-10V-KYY** | 400 |
| | XY | **JPF3FMS-10V-KXY** | 400 |
| | YX | **JPF3FMS-10V-KYX** | 400 |

Material

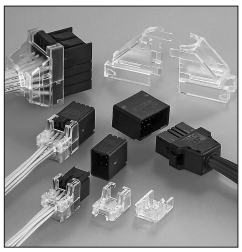
Housing: Thermoplastic resin



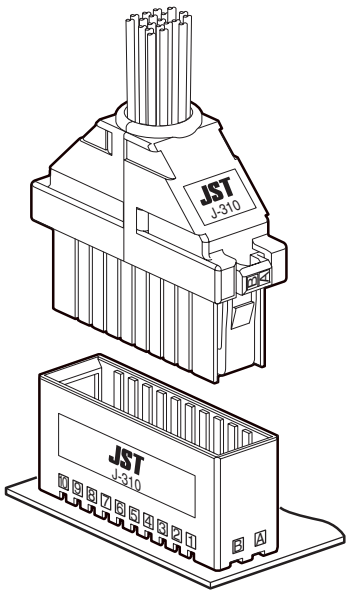

| Model No. | | Applicable wire | | | Insulation O.D. (mm) | Q'ty | |
|---|---|---|---|---|---|---|---|
| Strip contact | Loose piece | Nominal | mm² | AWG# | | reel | Box(Loose piece) |
| **SF3F-002GF-P2.0** | **BF3F-002GF-P2.0** | S | 0.08～0.20 | 28～24 | 0.8～1.4 | 3,700 | 1,000 |
| **SF3F-01GF-P2.0** | **BF3F-01GF-P2.0** | M | 0.20～0.50 | 24～20 | 1.2～2.6 | 3,700 | 1,000 |
| **SF3F-41GF-P2.0** | **LF3F-41GF-P2.0** | L | 0.50～1.25 | 20～16 | 1.8～2.8 | 3,200 | 1,000 |
| ***SF3F-71GF-P2.0** | ***BF3F-71GF-P2.0** | 2L | 1.25～2.0 | 16～14 | 2.4～3.4 | 3,200 | 1,000 |

Material and Finish

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



# JFA CONNECTOR/PROTECTOR

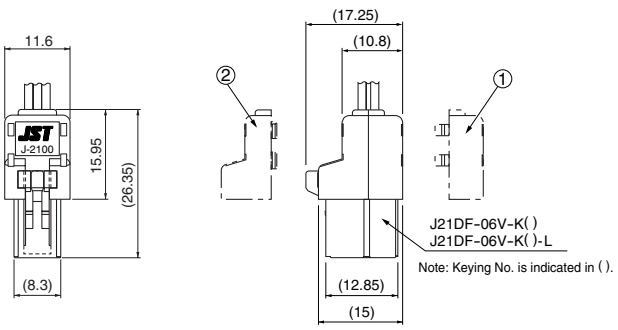



*Note: Protector is not UL/CSA/TÜV approved*

***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.***

## *J2000 Series*

**•J2100 series for 6 circuits**

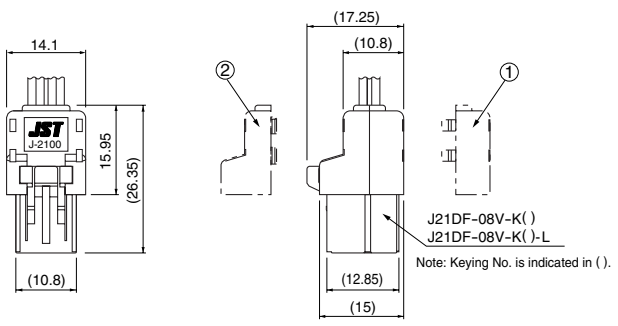



| No. | Model No. | Color |
|---|---|---|
| ① | **J21PF-06SCA** | Transparent |
| ② | **J21PF-06SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

**•J2100 series for 8 circuits**



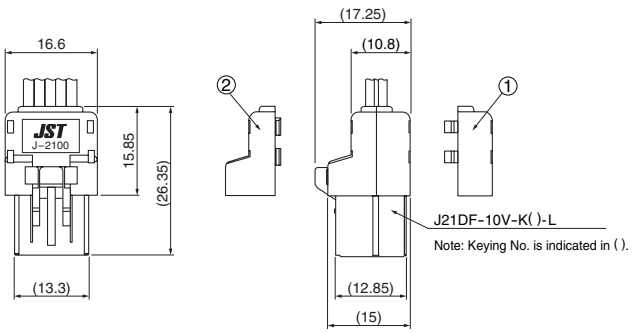

| No. | Model No. | Colar |
|---|---|---|
| ① | **J21PF-08SCA** | Transparent |
| ② | **J21PF-08SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

## J2000 Series

### •J2100 series for 10 circuits

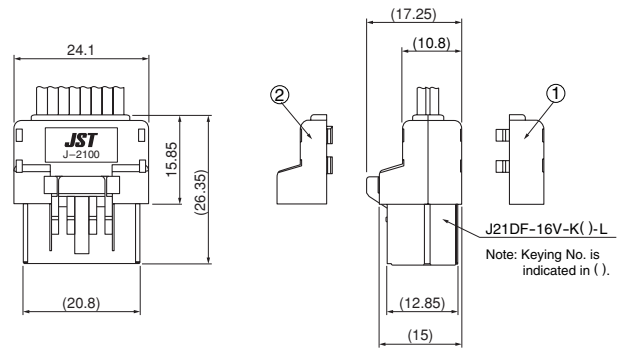



| No. | Model No. | Color |
|---|---|---|
| ① | **J21PF-10SCA** | Transparent |
| ② | **J21PF-10SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

### •J2100 series for 16 circuits

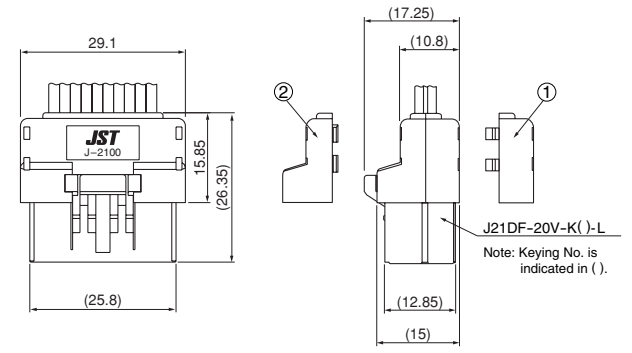



| No. | Model No. | Color |
|---|---|---|
| ① | **J21PF-16SCA** | Transparent |
| ② | **J21PF-16SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

### •J2100 series for 20 circuits

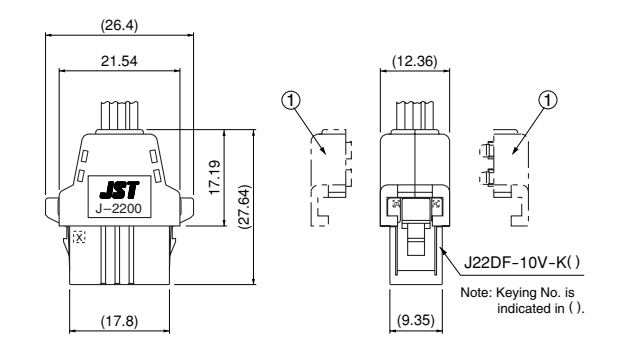



| No. | Model No. | Color |
|---|---|---|
| ① | **J21PF-20SCA** | Transparent |
| ② | **J21PF-20SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

### •J2200 series for 10 circuits



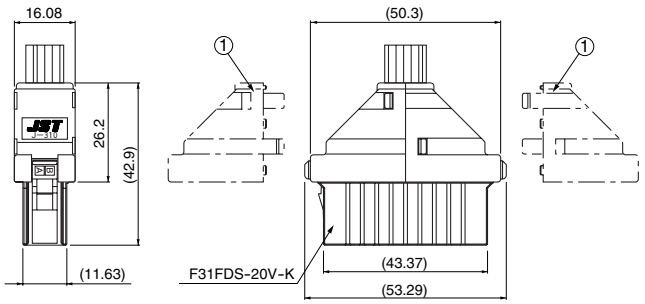

| No. | Model No. | Color |
|---|---|---|
| ① | **J22PF-10VK** | Black |

| Material |
|---|
| Glass-filled PBT |

***RoHS compliance***
*Note: Two protectors are used.*

## J300 Series

**•J310D series for 20 circuits**



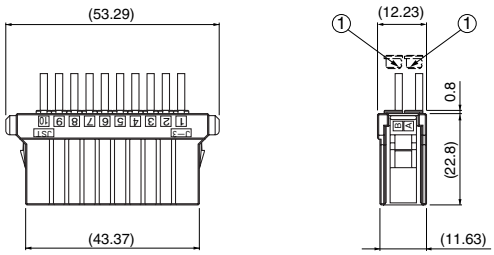

| No. | Model No. | Color |
|---|---|---|
| ① | **F31PFD-20VK** | Black |
| ① | **F31PFD-20SC** | Transparent |

| Material |
|---|
| Black: Glass-filled PBT<br>Transparent: Polycarbonate |

***RoHS compliance***

*Note: Two protectors of the same color are used.*

**•J310D series / Embedding-type protector for 8, 10 circuits**



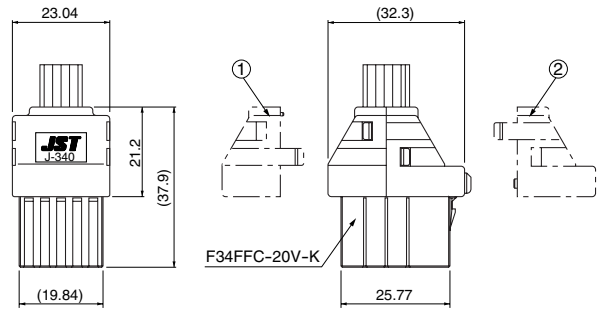

| No. | Model No. | Color |
|---|---|---|
| ① | **F31PFS-10KU** | Black |

| Material |
|---|
| Glass-filled PBT |

***RoHS compliance***

*Note: This protector is cut and used for each number of circuits.*

**•J340F series for 20 circuits**




| No. | Model No. | Color |
|---|---|---|
| ① | **F34PFF-20VKA** | Black |
| | **F34PFF-20SCA** | Transparent |
| ② | **F34PFF-20VKB** | Black |
| | **F34PFF-20SCB** | Transparent |

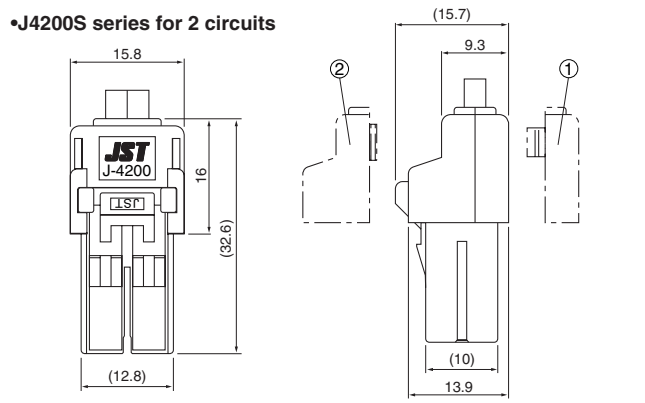
| Material |
|---|
| Black: Glass-filled PBT<br>Transparent: Polycarbonate |

***RoHS compliance***

*Note: Both 1 and 2 protectors in the same color are used.*

## J4000 Series

**•J4200S series for 2 circuits**




| No. | Model No. | Color |
|---|---|---|
| ① | **J42PF-02SCA** | Transparent |
| ② | **J42PF-02SCB** | Transparent |

| Material |
|---|
| Polycarbonate |

***RoHS compliance***

*(Patent pending)*
*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.*