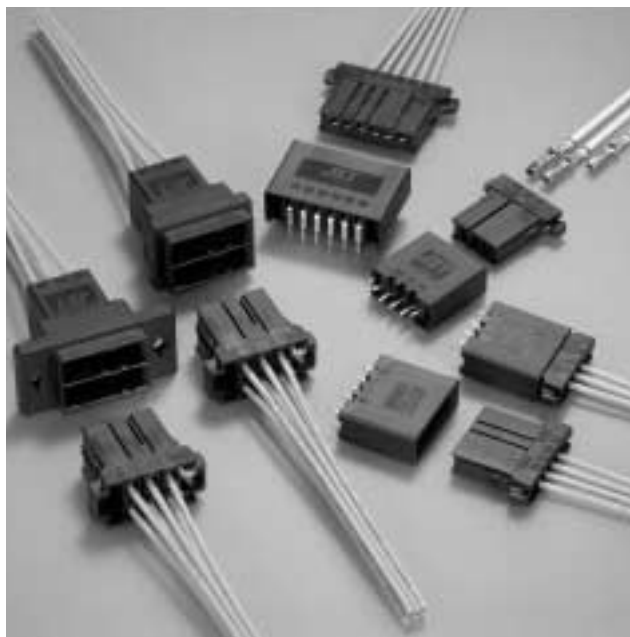
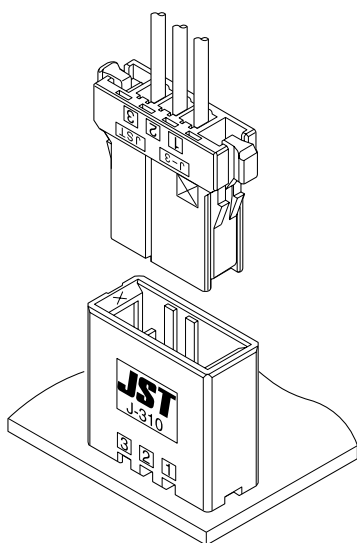


JFA CONNECTOR

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

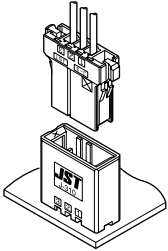
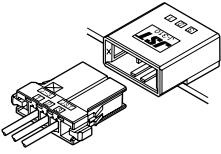
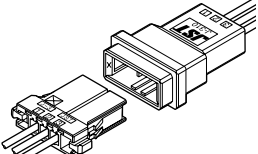
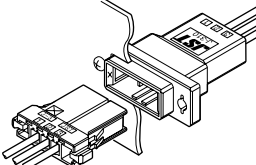
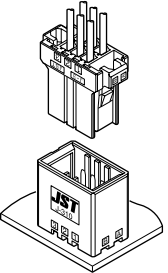
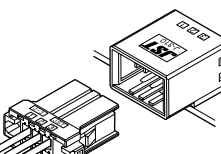
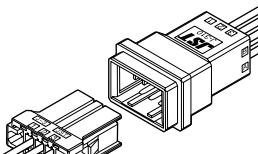
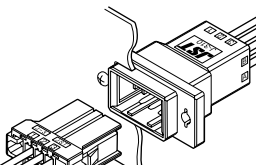
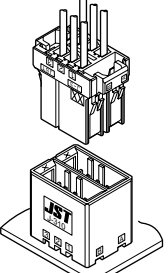
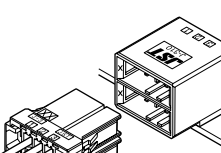
Certified LR20812

P-2-50003850

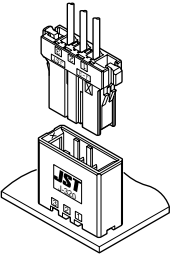
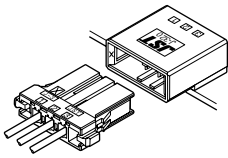
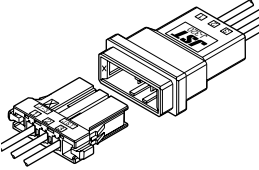
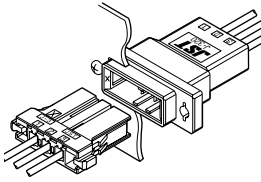
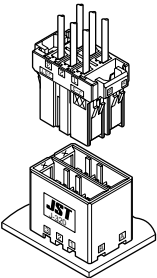
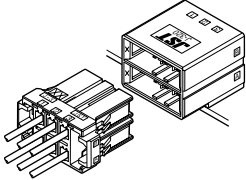
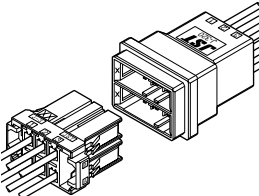
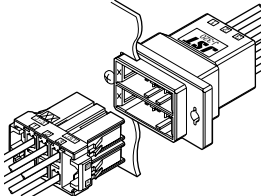
For J310S series top entry wire-to-board type only. The others are under application.

JFA CONNECTOR

List of J300 series products

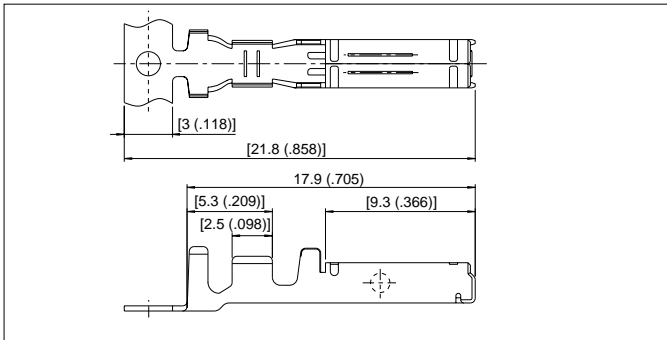
| Type | J310 Series [3.81mm(.150") pitch] | | | |
|--|---|---|--|---|
| | Wire to Board | | Wire to Wire | |
| | Top entry type | Side entry type | Free hanging type | Panel mounting type |
| Single-row type |  |  |  |  |
| Circuits | 3, 4, 5, 6, 8, 10 | 3, 4, 5, 6, 8, 10 | 3, 5, 8, 10 | 3, 5, 8, 10 |
| 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

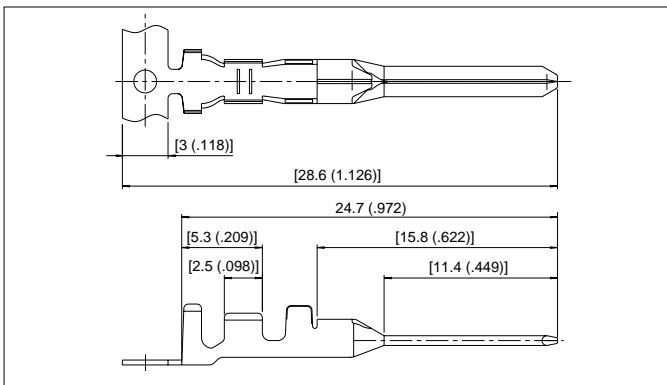


| Model No. | | | | Applicable wire | | | Wire Insulation |
|------------------|-----------|------------------|----------|-----------------|-----------------|----------|---------------------------|
| Strip form | Q'ty/reel | Loose piece | Q'ty/box | Nominal | mm ² | AWG# | O.D. mm (in.) |
| SF3F-002GF-P2.0 | 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 ² | 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

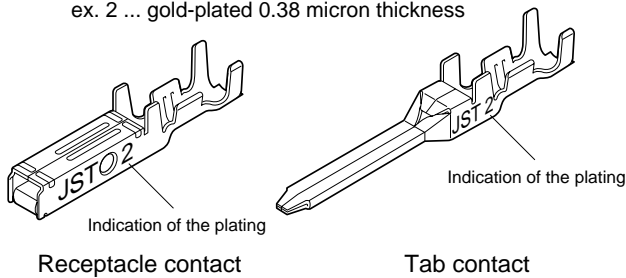
Copper alloy (superior conductivity), gold-plated
tin-plated (under planning)

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.

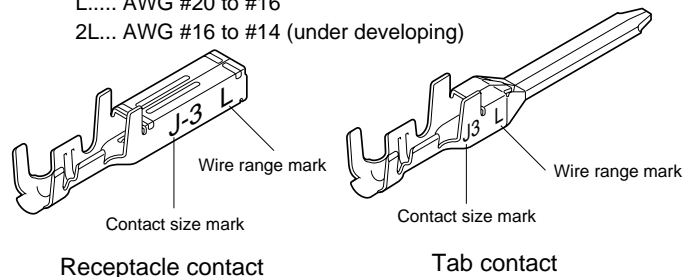
ex. 2 ... gold-plated 0.38 micron thickness



● 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.

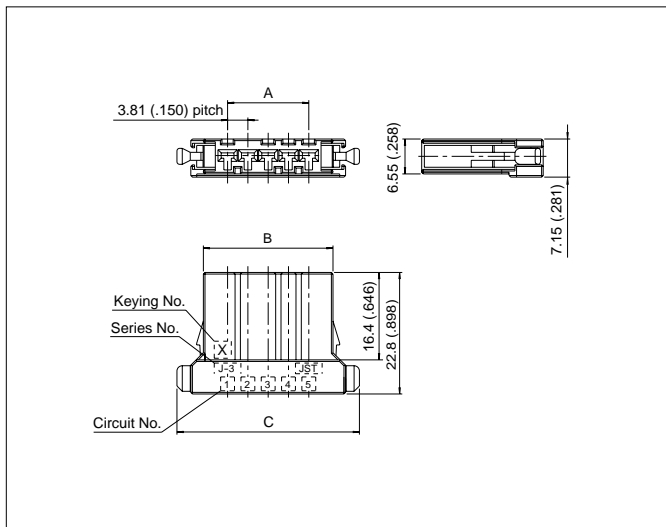
- J-3 S.... AWG #28 to #24
- M.... AWG #24 to #20
- L.... AWG #20 to #16
- 2L... AWG #16 to #14 (under developing)



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

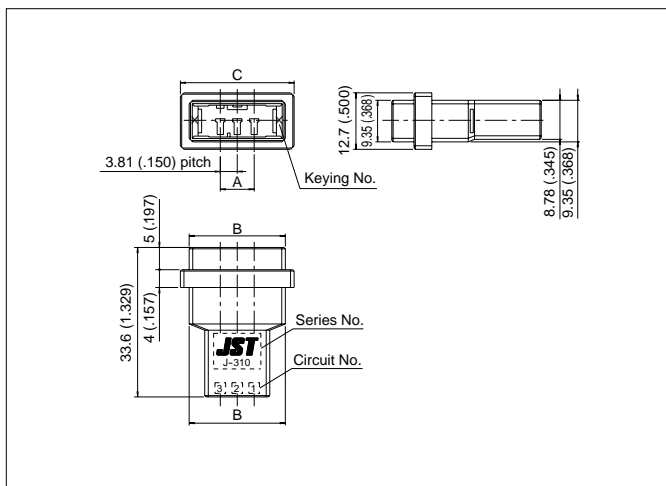


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|----------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 3 | X | F31FSS-03V-KX | 7.62(.300) | 16.70(.657) | 26.62(1.048) | 200 |
| | Y | F31FSS-03V-KY |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

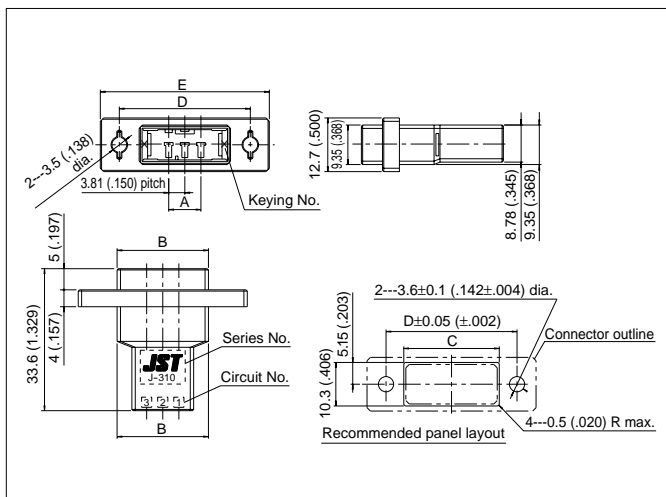


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|----------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 3 | X | F31MSF-03V-KX | 7.62(.300) | 21.62(.851) | 25.57(1.007) | 200 |
| | Y | F31MSF-03V-KY |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



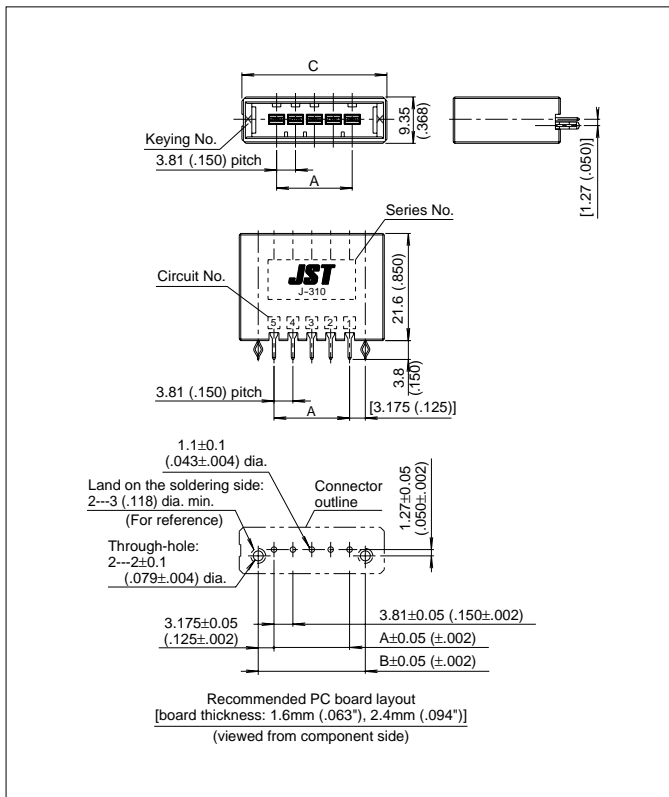
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | | | Q'ty / bag |
|----------|--------|----------------------|--------------------|--------------|--------------|--------------|--------------|------------|
| | | | A | B | C | D | E | |
| 3 | X | F31MSP-03V-KX | 7.62(.300) | 21.62(.851) | 22.60(.890)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



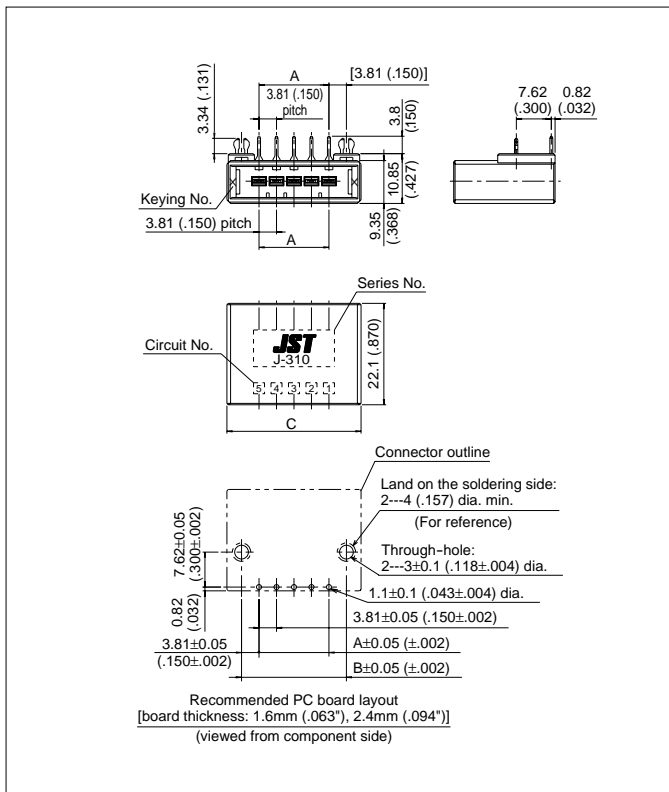
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / box |
|----------|--------|------------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 3 | X | B03B-F31SK-GGXR | 7.62(.300) | 13.97(.550) | 21.62(.851) | 220 |
| | Y | B03B-F31SK-GGYR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



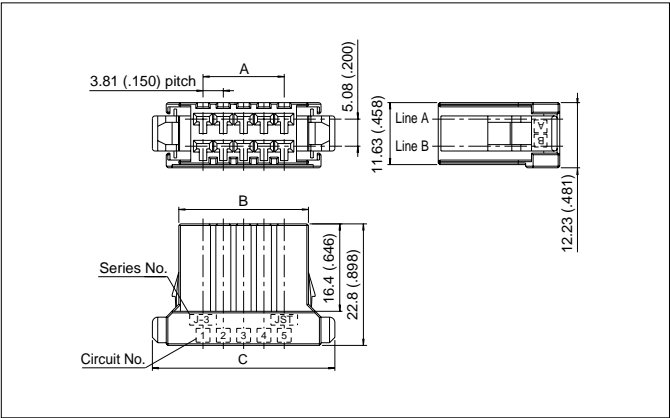
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / box |
|----------|--------|------------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 3 | X | S03B-F31SK-GGXR | 7.62(.300) | 15.24(.600) | 21.62(.851) | 165 |
| | Y | S03B-F31SK-GGYR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

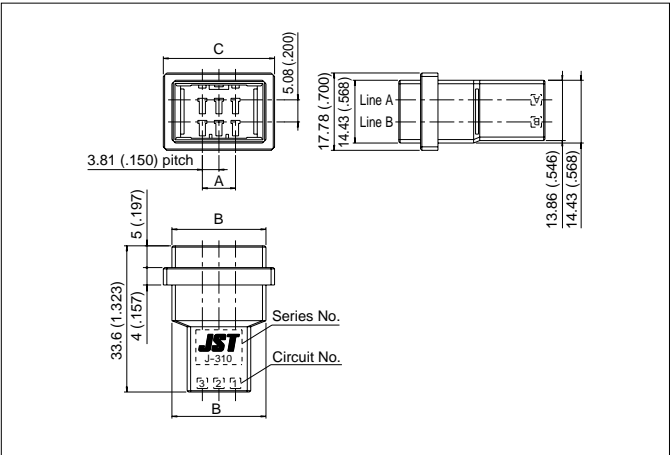


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|---------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 6 | - | F31FDS-06V-K | 7.62(.300) | 16.70(.657) | 26.62(1.048) | 200 |
| 8 | - | F31FDS-08V-K | 11.43(.450)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

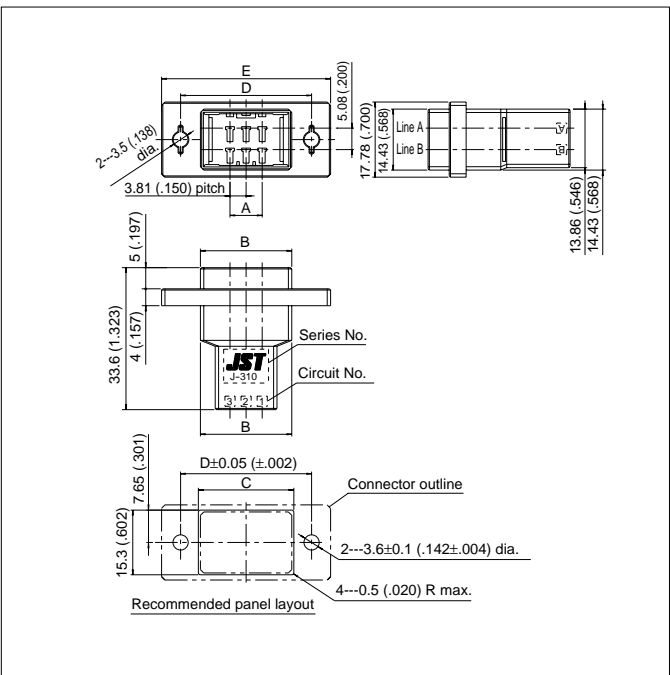


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|---------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 6 | - | F31MDF-06V-K | 7.62(.300) | 21.62(.851) | 25.57(1.007) | 200 |
| 8 | - | F31MDF-08V-K | 11.43(.450)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

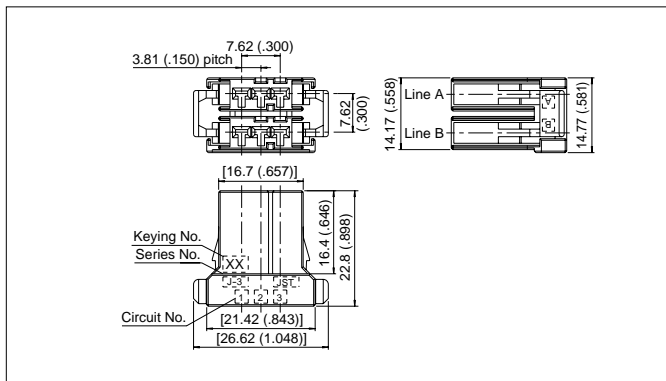


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | | | Q'ty / bag |
|----------|--------|---------------------|--------------------|--------------|--------------|--------------|--------------|------------|
| | | | A | B | C | D | E | |
| 6 | - | F31MDP-06V-K | 7.62(.300) | 21.62(.851) | 22.60(.890)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

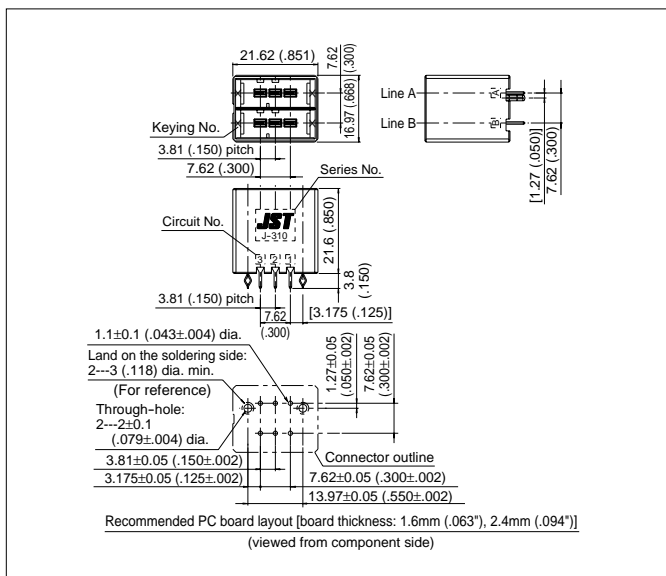
Receptacle housing



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

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

Header (Top entry type)

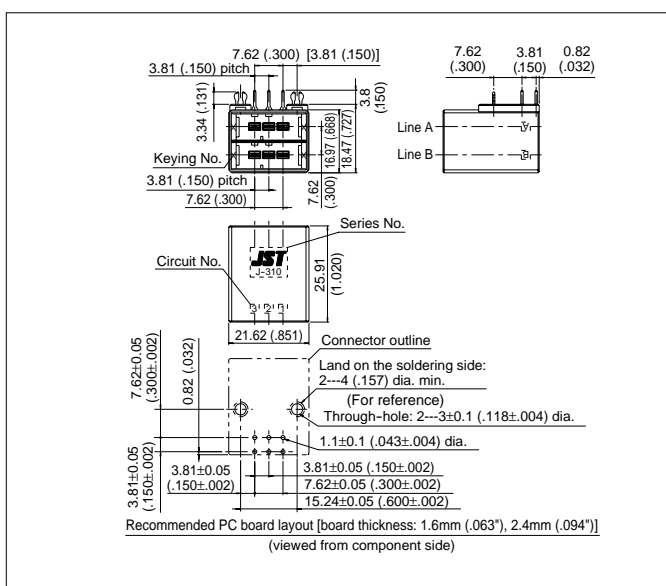


| Circuits | Keying | Model No. | Q'ty / box |
|----------|--------|-------------------------|------------|
| 6 | XX | B06B-F31MK-GGXXR | 132 |
| | YY | B06B-F31MK-GGYR | 132 |
| | XY | B06B-F31MK-GGXRY | 132 |

| 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. | Q'ty / box |
|----------|--------|-------------------------|------------|
| 6 | XX | S06B-F31MK-GGXXR | 88 |
| | YY | S06B-F31MK-GGYR | 88 |
| | XY | S06B-F31MK-GGXRY | 88 |

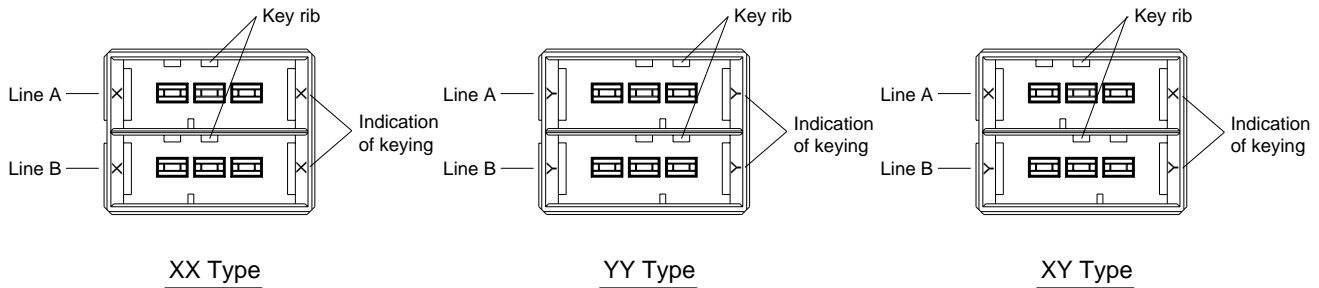
| Material and Finish | | | |
|--|--|--|--|
| Tab contact: Copper-alloy, nickel under-coated, selective gold-plated, tin/lead-plated | | | |
| Header housing: Glass-filled PBT, UL94V-0, black | | | |
| Reinforcing metal fixture: Copper-alloy, copper under-coated, tin/lead-plated | | | |

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

JFA CONNECTOR/J310M

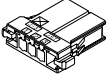
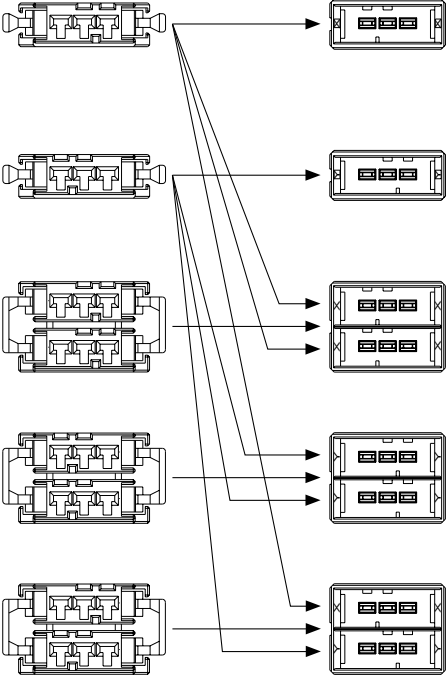

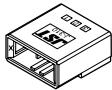
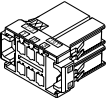

Keying

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.)

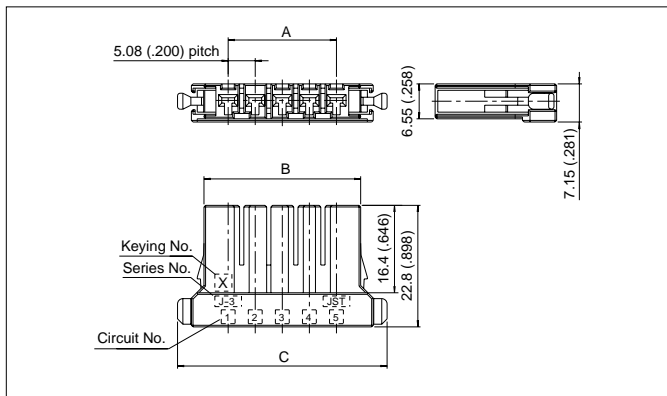


List of combinations

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

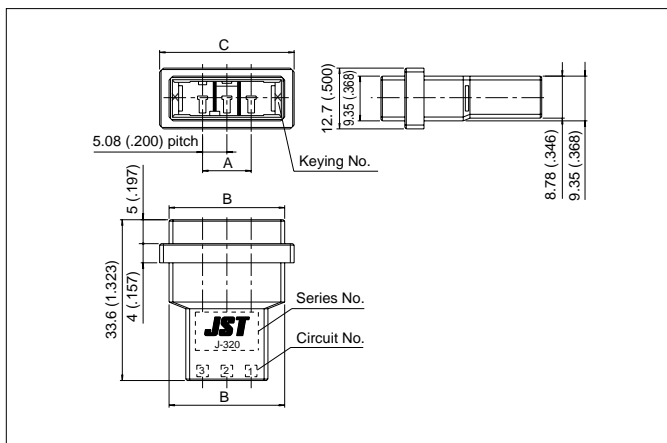


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|---------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 2 | X | F32FSS-02V-KX | 5.08(.200) | 14.16(.557) | 24.08(.948) | 200 |
| | Y | F32FSS-02V-KY | 5.08(.200) | 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)

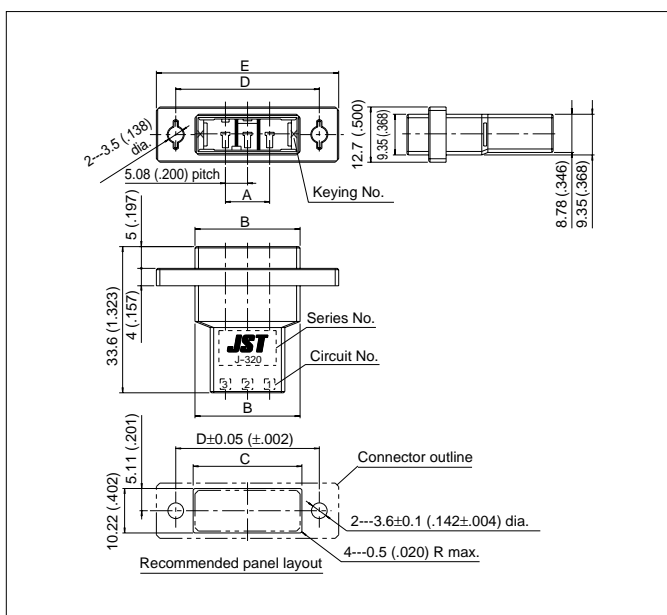


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|---------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 2 | X | F32MSF-02V-KX | 5.08(.200) | 19.08(.751) | 23.03(.907) | 200 |
| | Y | F32MSF-02V-KY | 5.08(.200) | 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)



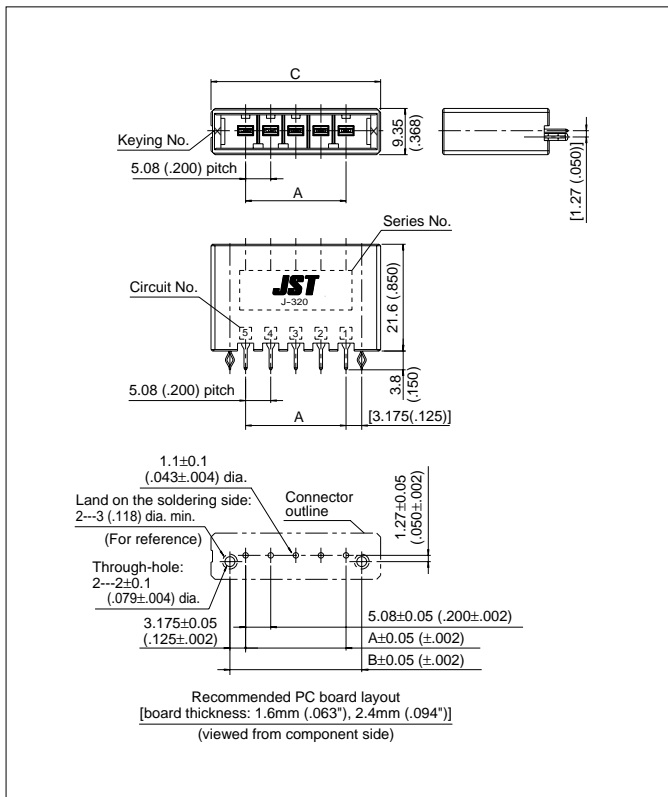
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | | | Q'ty / bag |
|----------|--------|---------------|--------------------|--------------|--------------|--------------|--------------|------------|
| | | | A | B | C | D | E | |
| 2 | X | F32MSP-02V-KX | 5.08(.200) | 19.08(.751) | 20.00(.787) | 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)



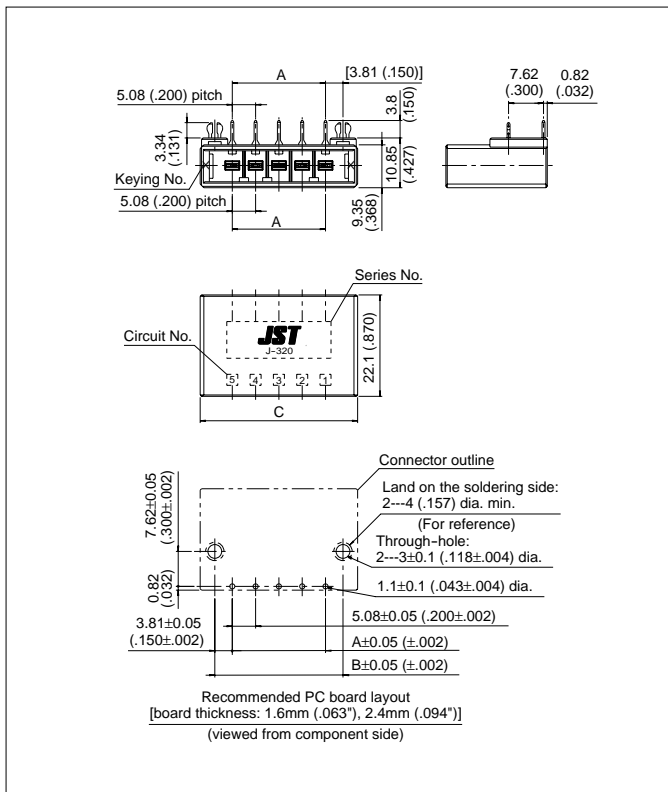
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / box |
|----------|--------|------------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 2 | X | B02B-F32SK-GGXR | 5.08(.200) | 11.43(.450) | 19.08(.751) | 240 |
| | Y | B02B-F32SK-GGYR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



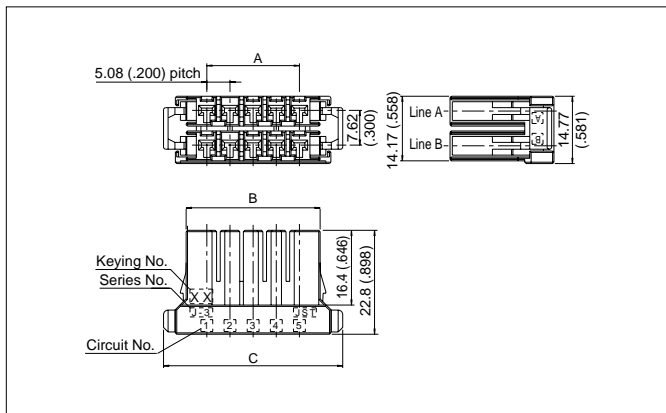
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / box |
|----------|--------|------------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 2 | X | S02B-F32SK-GGXR | 5.08(.200) | 12.70(.500) | 19.08(.751) | 180 |
| | Y | S02B-F32SK-GGYR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

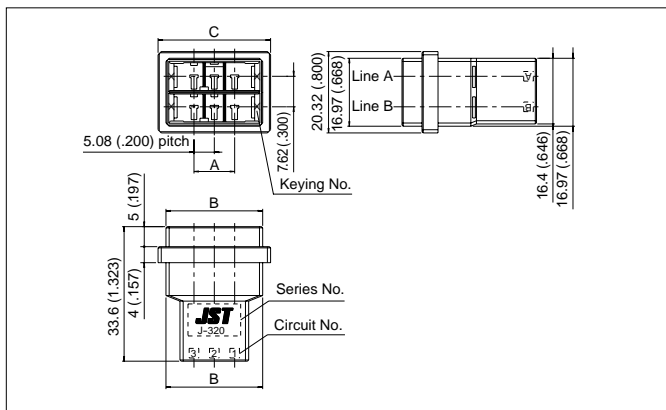


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|----------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 6 | XX | F32FMS-06V-KXX | 10.16(.400) | 19.24(.757) | 29.16(1.148) | 100 |
| | YY | F32FMS-06V-KYY | 10.16(.400) | 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)

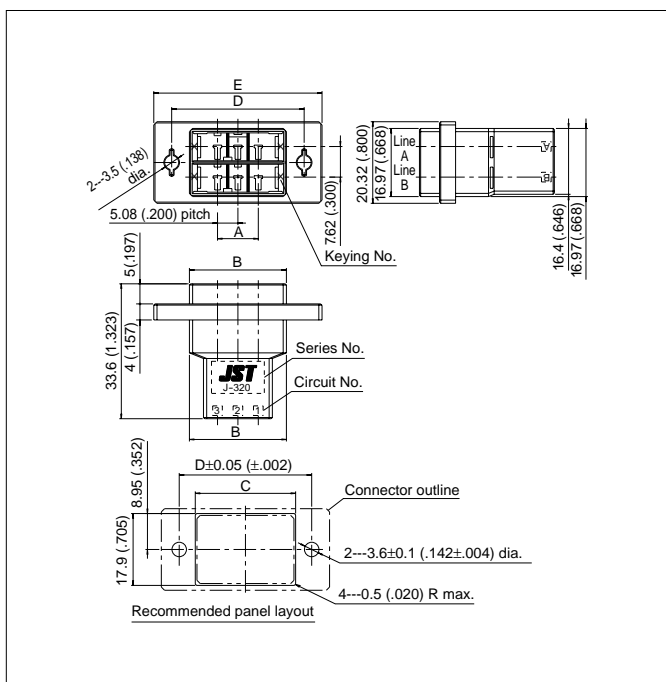


| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / bag |
|----------|--------|----------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 6 | XX | F32MDF-06V-KXX | 10.16(.400) | 24.16(.951) | 28.11(1.107) | 100 |
| | YY | F32MDF-06V-KYY | 10.16(.400) | 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)



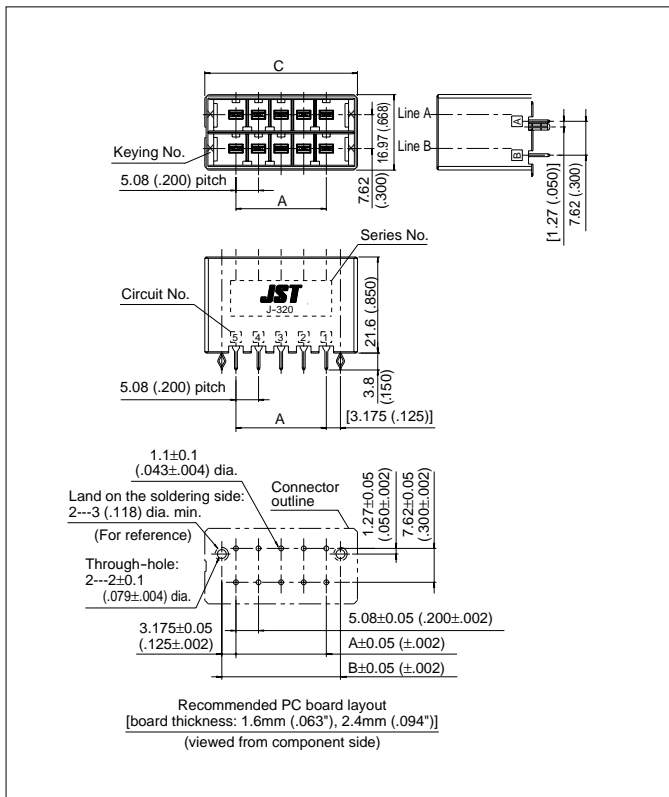
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | | | Q'ty / bag |
|----------|--------|----------------|--------------------|--------------|--------------|--------------|--------------|------------|
| | | | A | B | C | D | E | |
| 6 | XX | F32MDP-06V-KXX | 10.16(.400) | 24.16(.951) | 25.00(.984) | 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)



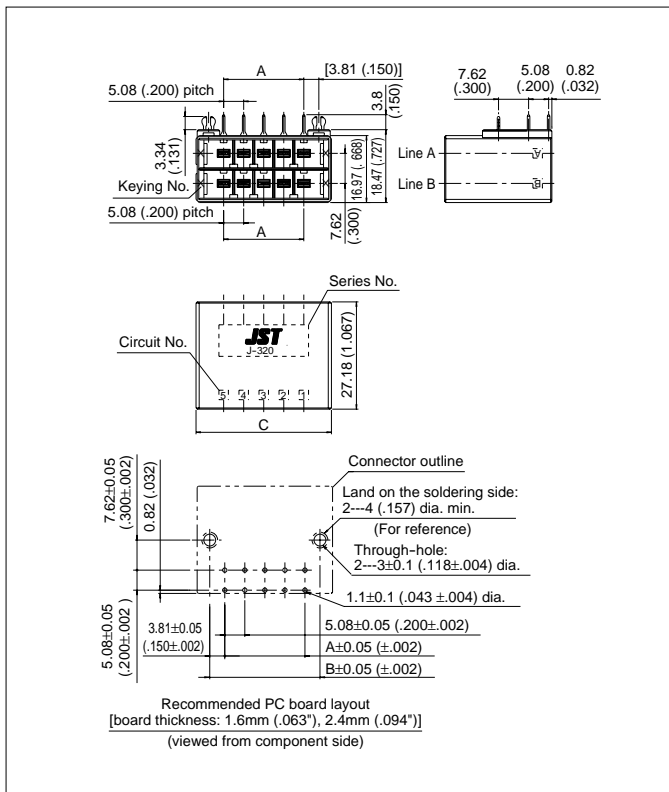
| Circuits | Keying | Model No. | Dimensions mm(in.) | | | Q'ty / box |
|----------|--------|-------------------|--------------------|--------------|--------------|------------|
| | | | A | B | C | |
| 6 | XX | B06B-F32MK-GGXXR | 10.16(.400) | 16.51(.650) | 24.16(.951) | 120 |
| | YY | B06B-F32MK-GGYR | 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 |

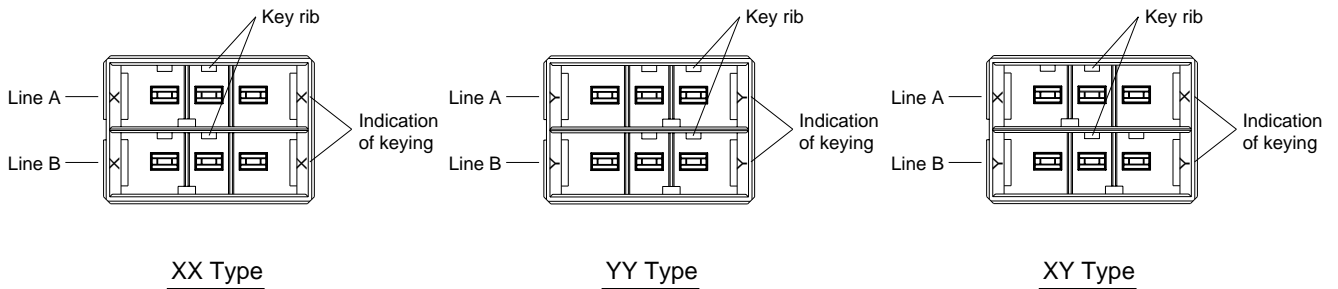
Material and Finish

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.

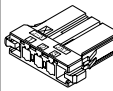
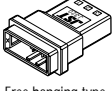
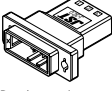


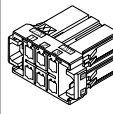
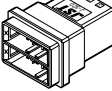
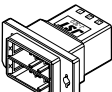


Keying

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