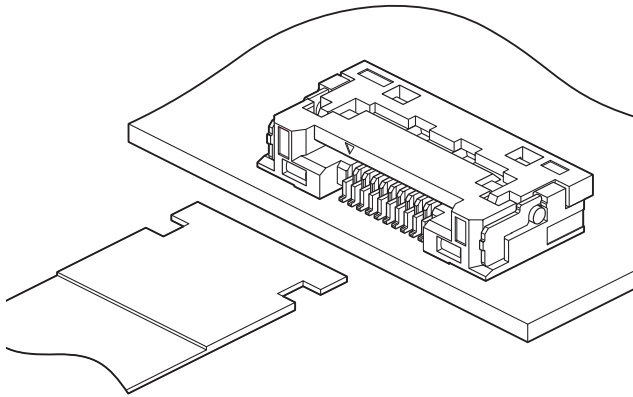


FHN CONNECTOR

0.5mm pitch/Connectors for FFC and FPC



Adopting the auto-locking mechanism which locks by one action when having FFC/FPC inserted into connector, insertion workability and reliability are much improved.

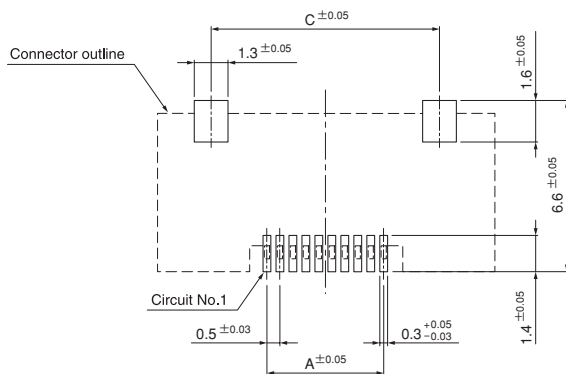
- **Auto-locking mechanism that has secure and good workability**
- **Back flip mechanism that has superior operability of cover housing**
- **Operability similar to that of the conventional flip lock type when unlocking**
- **The structure that is strong enough to routing of FFC/FPC**
- **The insertion completion of FFC/FPC can be confirmed visually from the square hole of the connector upper surface.**

Specifications

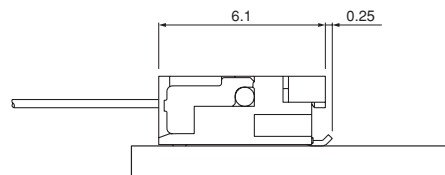
- Current rating: 0.5 A AC, DC
 - Voltage rating: 50 V AC, DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance: Initial value/ 50 mΩ max.
After environmental tests/ 100 mΩ max.
 - Insulation resistance: 500 MΩ min.
 - Withstanding voltage: 200 VAC/minute
 - Applicable FFC/FPC: Conductor pitch/ 0.5 mm
Conductor width/ 0.32 mm
Mating part thickness/ 0.3 ± 0.03 mm
- * In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
* Contact JST for details.
* RoHS2 compliance

PC board layout and Assembly layout

<8, 10 circuits>



(Mating side faces to this side)

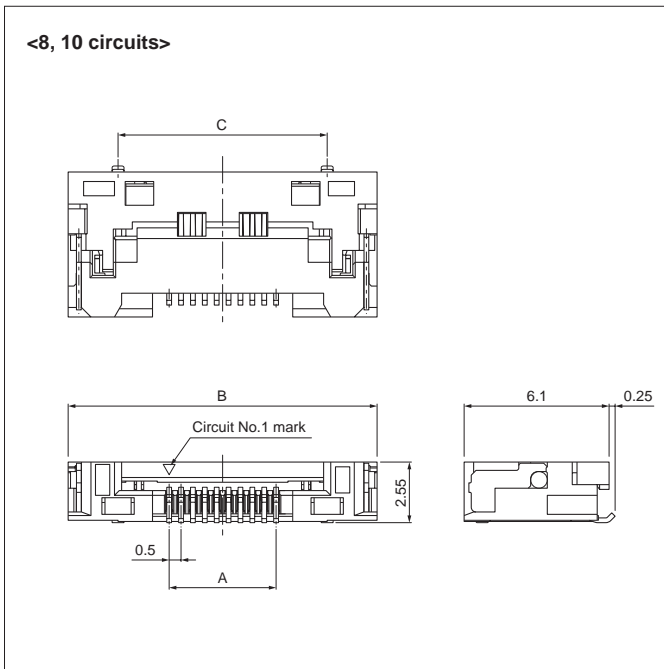


| No. of circuits | Dimensions (mm) | |
|-----------------|-----------------|-----|
| | A | C |
| 8 | 3.5 | 7.8 |
| 10 | 4.5 | 8.8 |

Note: 1. The above figure is the figure viewed from the connector mounting side
2. Tolerance for the centers of pattern on PCB is ±0.03, and shall be not cumulative more than ±0.05.
The dimensions above should serve as a guideline. Contact JST for details.

FHN CONNECTOR

Connector



Tin-plated product

| No. of circuits | Model No. | Dimensions (mm) | | | Qty/reel |
|-----------------|--------------------------|-----------------|------|-----|----------|
| | | A | B | C | |
| 10 | 10FHN-RSM1-A-T-TF | 4.5 | 13.0 | 8.8 | 2,300 |

Material and Finish

Contact: Copper alloy, tin-plated
 Bearing parts: Copper alloy, tin-plated
 Lock parts: Copper alloy, tin-plated
 Socket housing: LCP, UL94V-0, black
 Cover housing: LCP, UL94V-0, black

RoHS2 compliance

Note: The product listed above is supplied on embossed-tape.

Gold-plated product

| No. of circuits | Model No. | Dimensions (mm) | | | Qty/reel |
|-----------------|----------------------------|-----------------|------|-----|----------|
| | | A | B | C | |
| 8 | 08FHN-RSM1-A-GAN-TF | 3.5 | 12.0 | 7.8 | 2,300 |

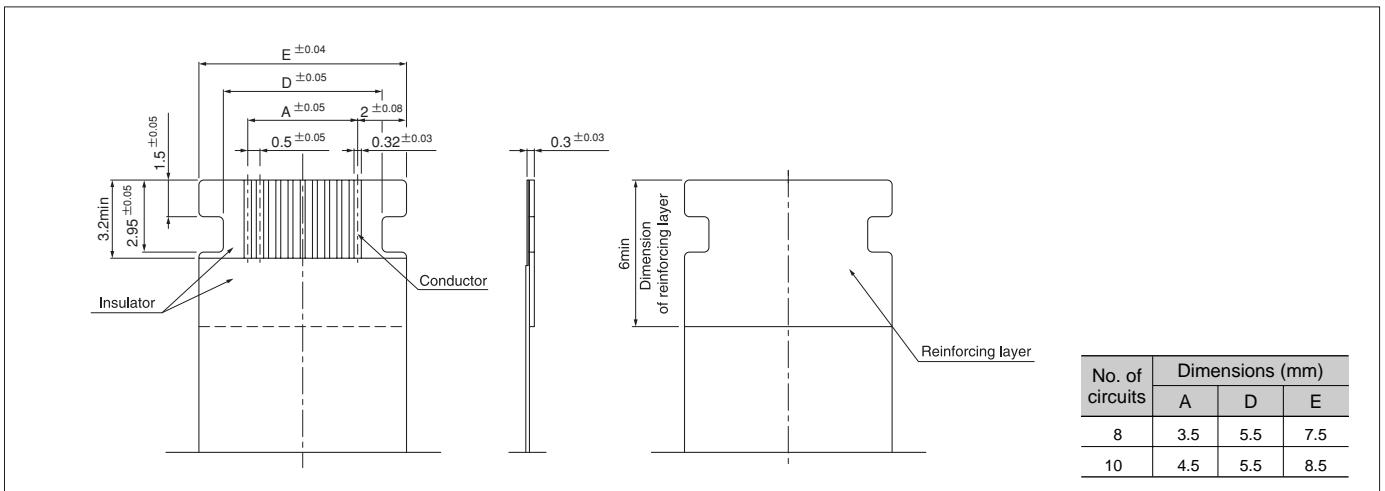
Material and Finish

Contact: Copper alloy, nickel-undercoated, selective gold-plated
 Bearing parts: Copper alloy, tin-plated
 Lock parts: Copper alloy, tin-plated
 Socket housing: LCP, UL94V-0, black
 Cover housing: LCP, UL94V-0, black

RoHS2 compliance

Note: The product listed above is supplied on embossed-tape.

Lead section dimensions of FFC/FPC



Note: 1. The tolerance of FFC/FPC conductor pitch should be ± 0.05 mm and non-cumulative.
 2. The dimensions above should serve as a guideline. Contact JST for details.

Model number identification

Connector

