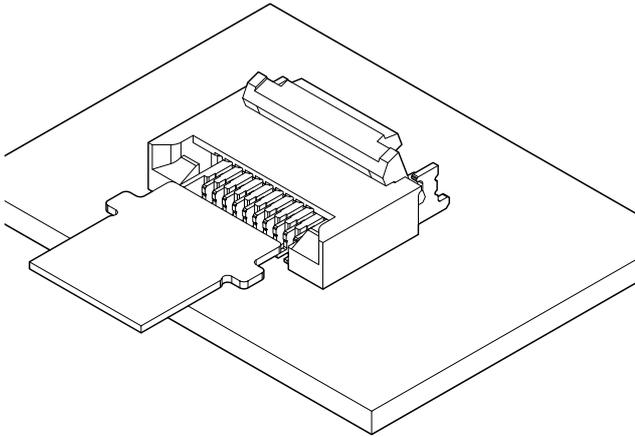


# FHH CONNECTOR



0.5mm pitch/Connectors for FPC

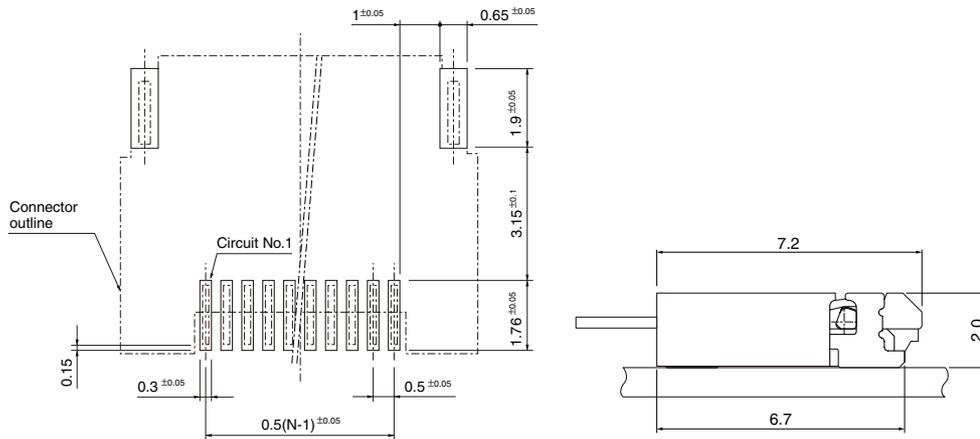


**This is 2.0mm height connector with the double-sided contact for FPC. As FPC with protrusions is used for this FHH connector, prevention of incomplete insertion and mis-insertion are realized and connection reliability is improved.**

## Specifications

- Current rating: 0.5A AC, DC
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/70mΩ max.  
After environmental testing/60mΩ max.  
(variation from initial value)
- Insulation resistance: 500MΩ min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Conductor pitch/0.5mm  
Conductor width/0.35mm  
Mating part thickness/0.3±0.03mm
- \* Compliant with RoHS.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

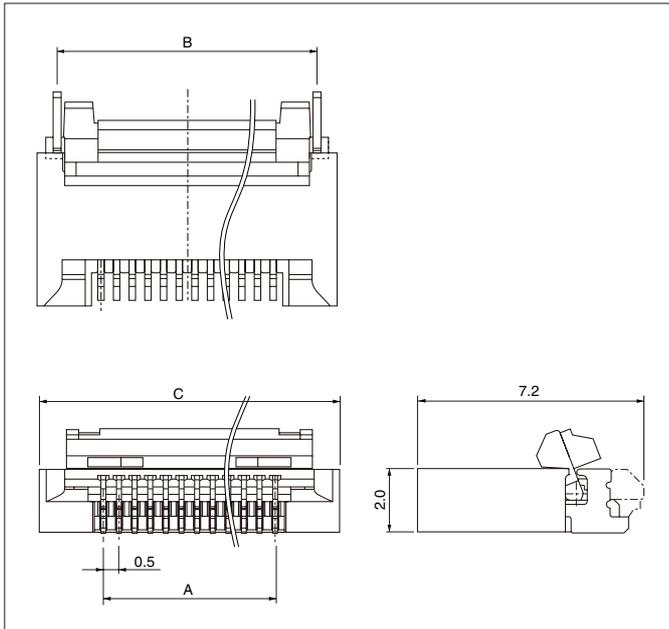
## PC board layout and Assembly layout



Note: N --- Number of circuits

# FHH CONNECTOR

## Connector



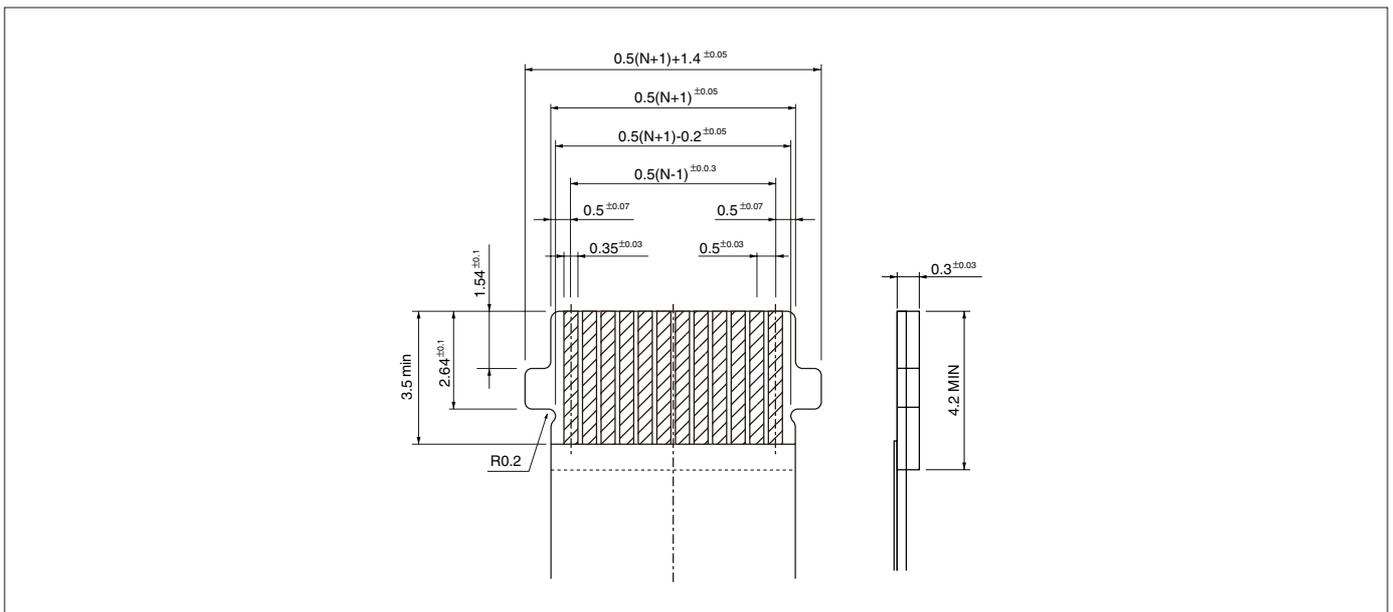
| Circuits | Model No.               | Dimensions (mm) |      |      | Q'ty / reel |
|----------|-------------------------|-----------------|------|------|-------------|
|          |                         | A               | B    | C    |             |
| 10       | <b>10FHH-SM1-GAN-TF</b> | 4.5             | 7.4  | 8.6  | 2,000       |
| 30       | <b>30FHH-SM1-GAN-TF</b> | 14.5            | 17.4 | 18.6 | 2,000       |
| 40       | <b>40FHH-SM1-GAN-TF</b> | 19.5            | 22.4 | 23.6 | 2,000       |
| 50       | <b>50FHH-SM1-GAN-TF</b> | 24.5            | 27.4 | 28.6 | 2,000       |
| 60       | <b>60FHH-SM1-GAN-TF</b> | 29.5            | 32.4 | 33.6 | 2,000       |

### Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated (nickel-stripe)  
 Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
 Housing: Heat resisting resin, UL94V-0, natural  
 Cover: Heat resisting resin, UL94V-0, black

**RoHS compliance** This product displays (LF)(SN) on a label.  
 Note: This products listed above are supplied on embossed-tape.

## Lead section dimensions of FPC



Note: N --- Number of circuits