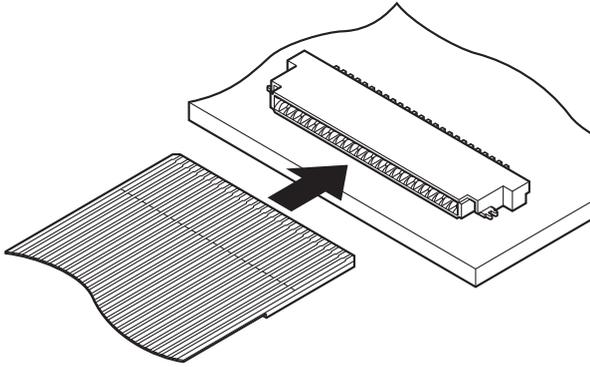


# FH CONNECTOR

0.5 mm pitch / Connectors for PC board / For FPC, Non-ZIF type



The large miniaturization at pitch direction and depth direction and low profile as 1.2 mm mounting height are realized. FH connector is miniaturized and space saving Non-ZIF type connector for FPC.

- Double-sided contact
- Applicable to standard FPC

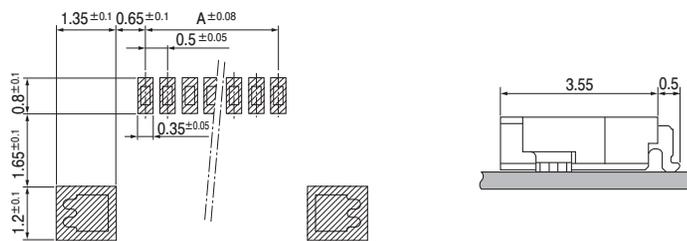
## Standards

: Recognized E 60389

## 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/40 mΩ max.  
After environmental tests/ 20 mΩ max.  
(variation from initial value)
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 200 V AC/minute
- Applicable FPC: Conductor pitch/0.5 mm  
Conductor width/0.35 mm  
Mating part thickness/  $0.3 \pm 0.05$  mm
- \* In using the products, refer to "Handling Precaution for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

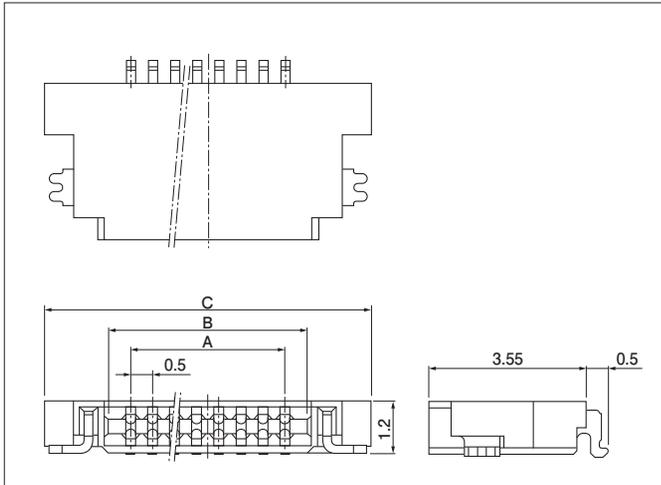
## PC board layout and Assembly layout



- Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative:  $\pm 0.08$  mm for all centers.  
Please contact JST for details as the dimensions shown in the above figure are reference values.

# FH CONNECTOR

## Connector



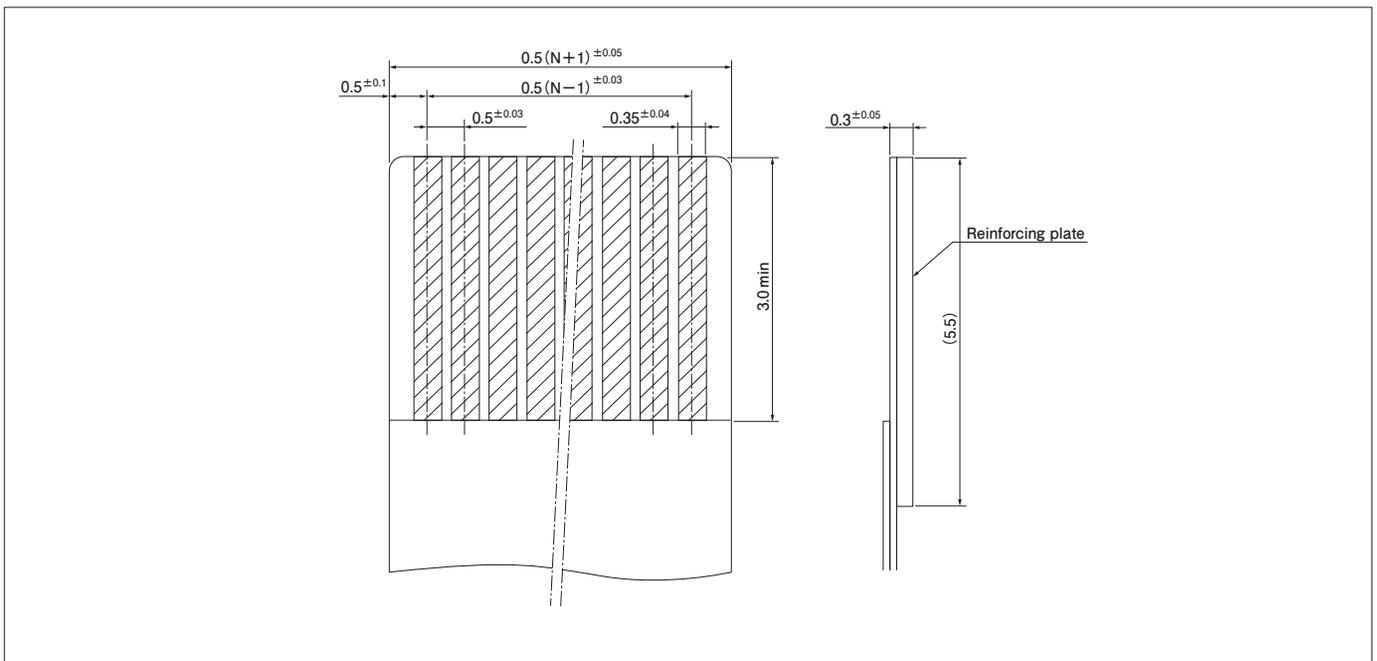
| No. of circuits | Model No.   | Dimensions (mm) |      |      | Q'ty/reel |
|-----------------|-------------|-----------------|------|------|-----------|
|                 |             | A               | B    | C    |           |
| 6               | 06FH-SM1-TB | 2.5             | 3.5  | 6.4  | 4,000     |
| 10              | 10FH-SM1-TB | 4.5             | 5.5  | 8.4  | 4,000     |
| 11              | 11FH-SM1-TB | 5.0             | 6.0  | 8.9  | 4,000     |
| 14              | 14FH-SM1-TB | 6.5             | 7.5  | 10.4 | 4,000     |
| 20              | 20FH-SM1-TB | 9.5             | 10.5 | 13.4 | 4,000     |

### Material and Finish

Contact : Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Housing : LCP, UL94V-0  
Solder tab : Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label.

## Dimensions of FPC lead section



Note: N — Number of circuits