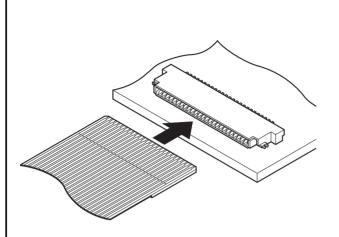# FH CONNECTOR

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
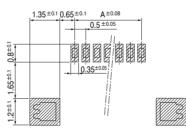
■ Standards
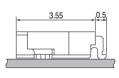
U : Recognized E 60389

■ Specifications

• Current rating: 0.5 A AC/DC
• Voltage rating: 50 V AC/DC
• Temperature range: −25℃ to +85℃
　　　　　　　　(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 ± 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

1.35 ±0.1　0.65 ±0.1　A ±0.08
0.5 ±0.05
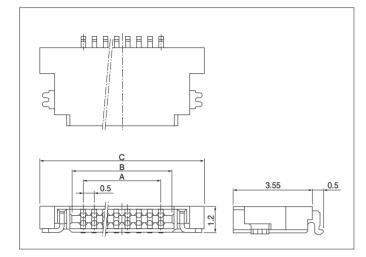0.8 ±0.1
0.35 ±0.05
1.65 ±0.1
1.2 ±0.1
3.55　0.5

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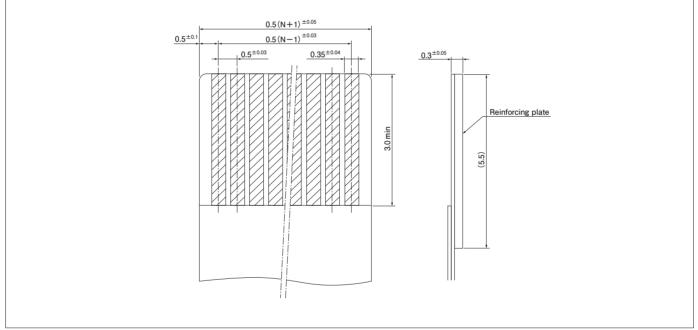
Connector

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