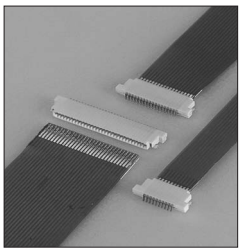
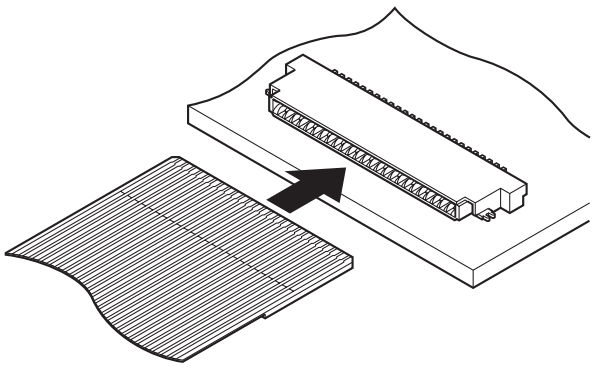


FH CONNECTOR

0.5mm pitch/Connectors for FPC

Emboss Tape

NON-ZIF TYPE



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

- ***Double-sided contact***
- ***Applicable to standard FPC***

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/40m Ω max.
  After environmental testing/20m Ω max.
  (variation from initial value)
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Conductor pitch/0.5mm
  Conductor width/0.35mm
  Mating part thickness/0.3±0.05mm

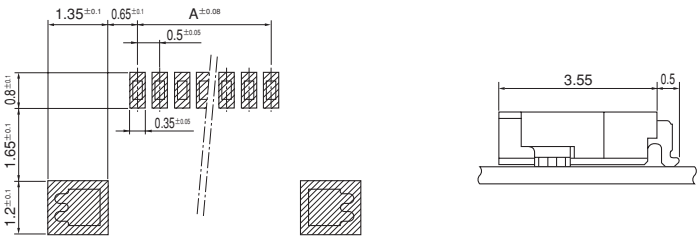
* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E60389

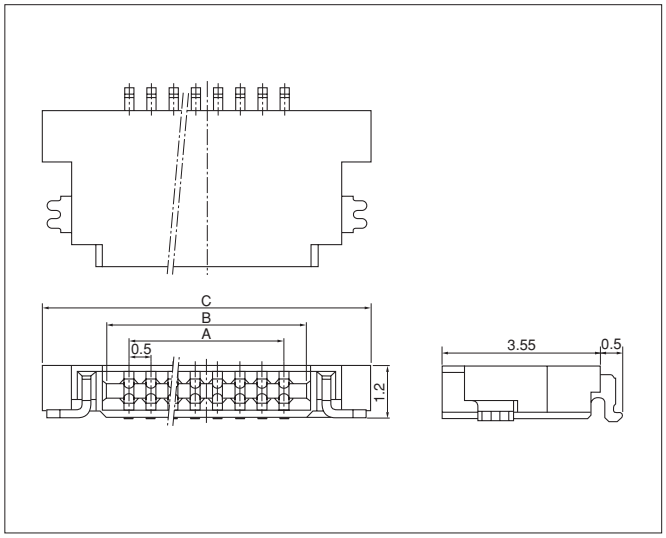
Certified LR20812

PC board layout (viewed from component side) and Assembly layout



Note: 1. Tolerances are non-cumulative: ±0.08mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

Connector

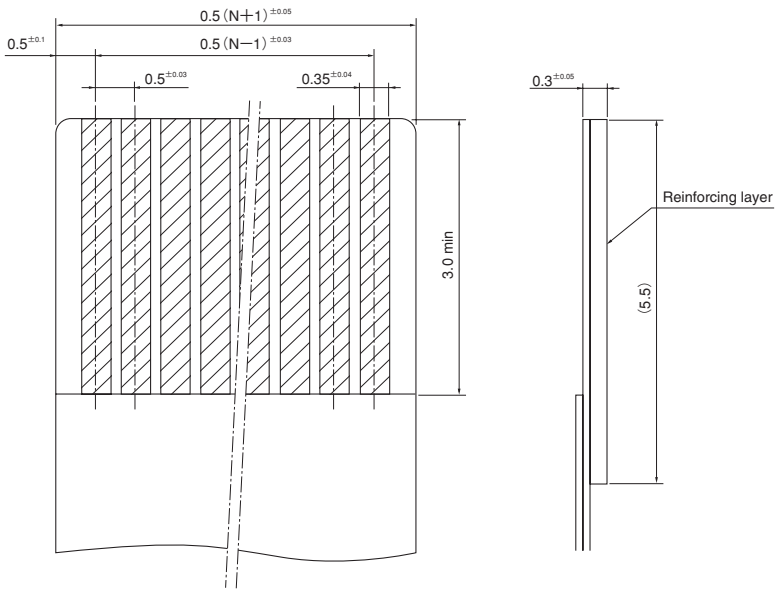


Circuits	Model No.	Dimensions (mm)			Q'ty / reel
		A	B	C	
5	**05FH-SM1-TB**	2.0	3.0	5.9	4,000
6	**06FH-SM1-TB**	2.5	3.5	6.4	4,000
7	**07FH-SM1-TB**	3.0	4.0	6.9	4,000
8	**08FH-SM1-TB**	3.5	4.5	7.4	4,000
10	**10FH-SM1-TB**	4.5	5.5	8.4	4,000
11	**11FH-SM1-TB**	5.0	6.0	8.9	4,000
12	**12FH-SM1-TB**	5.5	6.5	9.4	4,000
14	**14FH-SM1-TB**	6.5	7.5	10.4	4,000
16	**16FH-SM1-TB**	7.5	8.5	11.4	4,000
18	**18FH-SM1-TB**	8.5	9.5	12.4	4,000
20	**20FH-SM1-TB**	9.5	10.5	13.4	4,000
25	**25FH-SM1-TB**	12.0	13.0	15.9	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)

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

Lead section dimensions of FPC



Note: N --- Number of circuits