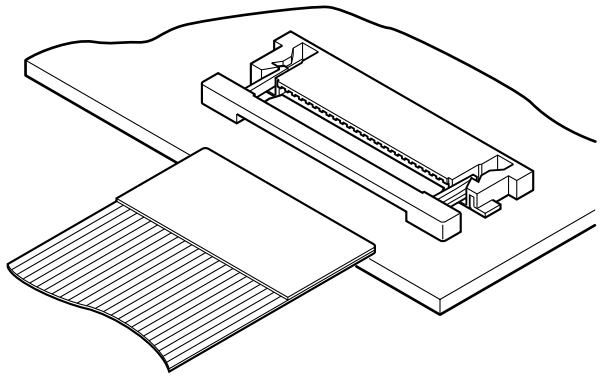
FLH CONNECTOR

Emboss Tape

ZIF TYPE

0.5mm pitch/Connectors for FPC



Compact connector with just 1.2mm high after mounting on the PC board.

- ***Thin design***
- ***Heat resisting design suitable for surface mounting***
- ***In-line surface mounting***
- ***Two types of connections***
- ***Embossed tape for automatic mounting***

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/60m Ω max.
- Insulation resistance: 800M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Conductor pitch/0.5mm
  Conductor width/0.35mm
  Mating part thickness/0.3±0.03mm

Note: FPC to be actually used should be checked for applicability.

* Compliant with RoHS.

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

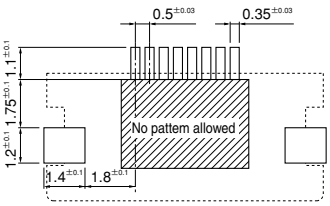
* Contact JST for details.

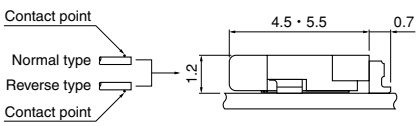
Standards

Recognized E60389

Certified LR20812

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

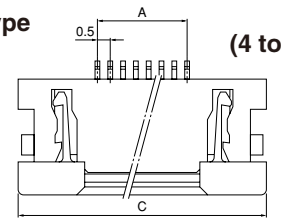




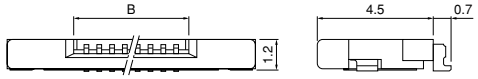
Note: 1. Tolerances are non-cumulative: ±0.03mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

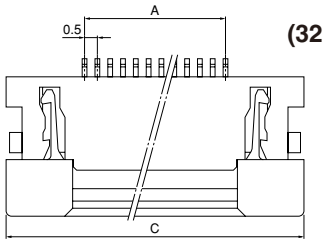
Connector

Normal type

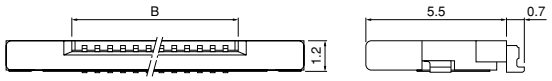


(4 to 30 circuits)

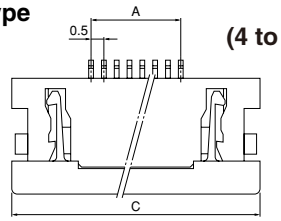




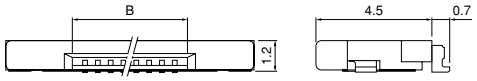
(32 to 40 circuits)

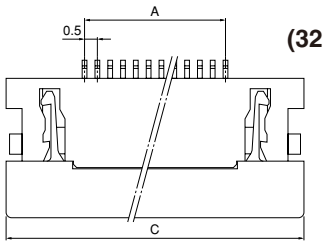


Reverse type

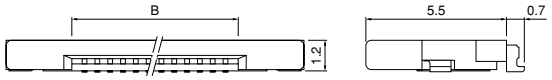


(4 to 30 circuits)





(32 to 40 circuits)

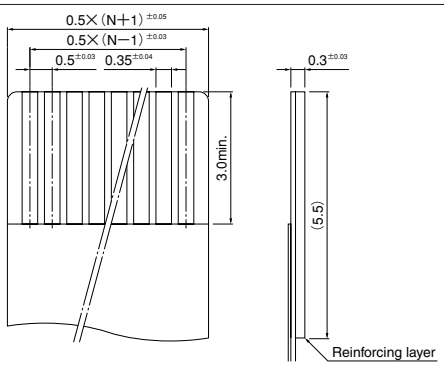


Circuits	Model No.		Dimensions (mm)			Q'ty / reel
	Normal type	Reverse type	A	B	C	
4	**04FLH-SM1-TB**	**04FLH-RSM1-TB**	1.5	2.55	7.7	3,000
6	**06FLH-SM1-TB**	**06FLH-RSM1-TB**	2.5	3.55	8.7	3,000
7	**07FLH-SM1-TB**	**07FLH-RSM1-TB**	3.0	4.05	9.2	3,000
8	**08FLH-SM1-TB**	**08FLH-RSM1-TB**	3.5	4.55	9.7	3,000
10	**10FLH-SM1-TB**	**10FLH-RSM1-TB**	4.5	5.55	10.7	3,000
11	**11FLH-SM1-TB**	**11FLH-RSM1-TB**	5.0	6.05	11.2	3,000
12	**12FLH-SM1-TB**	**12FLH-RSM1-TB**	5.5	6.55	11.7	3,000
13	**13FLH-SM1-TB**	**13FLH-RSM1-TB**	6.0	7.05	12.2	3,000
14	**14FLH-SM1-TB**	**14FLH-RSM1-TB**	6.5	7.55	12.7	3,000
15	**15FLH-SM1-TB**	**15FLH-RSM1-TB**	7.0	8.05	13.2	3,000
16	**16FLH-SM1-TB**	**16FLH-RSM1-TB**	7.5	8.55	13.7	3,000
17	**17FLH-SM1-TB**	**17FLH-RSM1-TB**	8.0	9.05	14.2	3,000
18	**18FLH-SM1-TB**	**18FLH-RSM1-TB**	8.5	9.55	14.7	3,000
19	—	**19FLH-RSM1-TB**	9.0	10.05	15.2	3,000
20	**20FLH-SM1-TB**	**20FLH-RSM1-TB**	9.5	10.55	15.7	3,000
21	**21FLH-SM1-TB**	—	10.0	11.05	16.2	3,000
22	**22FLH-SM1-TB**	**22FLH-RSM1-TB**	10.5	11.55	16.7	3,000
24	**24FLH-SM1-TB**	**24FLH-RSM1-TB**	11.5	12.55	17.7	3,000
26	**26FLH-SM1-TB**	—	12.5	13.55	18.7	3,000
28	**28FLH-SM1-TB**	**28FLH-RSM1-TB**	13.5	14.55	19.7	3,000
30	**30FLH-SM1-TB**	**30FLH-RSM1-TB**	14.5	15.55	20.7	3,000
32	**32FLH-SM1-TB**	**32FLH-RSM1-TB**	15.5	16.55	21.7	3,000
34	—	**34FLH-RSM1-TB**	16.5	17.55	22.7	3,000
40	**40FLH-SM1-TB**	**40FLH-RSM1-TB**	19.5	20.55	25.7	3,000

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) Slider: PA 6T, UL94V-0

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

Lead section dimensions of FPC



Note: N --- Number of circuits