JST

1.0mm pitch

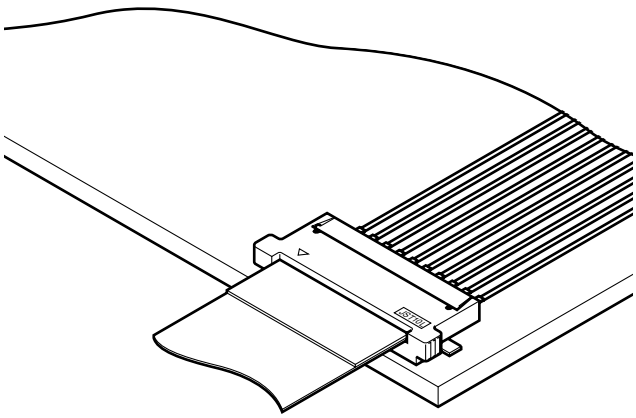
FPZ CONNECTOR

Emboss Tape

ZIF TYPE

Connectors for FFC

The FPZ is a Zero Insertion Force (ZIF) connector designed for surface mounting of FFCs with a lead pitch of 1.0mm. With its mating slider serving as a guide, the FPZ connector ensures easy and reliable connection. It also features high heat resistance, which is suitable for surface mounting, and can be supplied in the form of emboss taping to facilitate automatic mounting.



Features

• Easy and reliable connection

Connection can be made simply by inserting the leads into the connector and pressing the slider. Once the leads are inserted, they are held by the 4-side guides located inside the slider so that they will not dislocate or come off.

• Emboss taping for automatic mounting

The FPZ is supplied in the form of emboss taping for automatic mounting.

• Heat resisting design suitable for surface mounting

This surface mounting type is designed to meet the needs of surface mountable devices inside electronic equipment. The housing is made of highly heat resisting resin to allow reflow soldering.

• High-density design, with a height of a mere 2.9mm

The circuit pitch at the soldered portion is 1.0mm and its mounting height is 2.9mm when locked. The FPZ is a compact and low-profile design.

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/20m Ω max.
  After environmental testing/30m Ω max.
- Insulation resistance: 800M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable FFC: Conductor pitch/1.0mm
  Conductor width/0.7mm
  Mating part thickness/0.30±0.05mm

<Note>FFC 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.

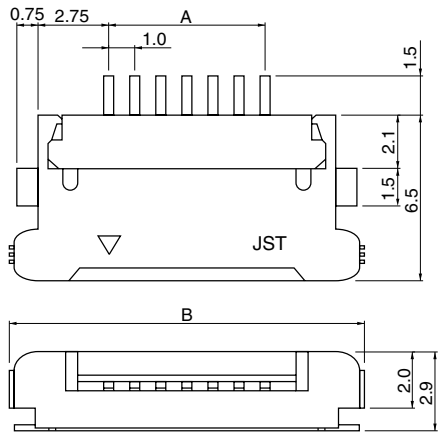
Standards

Recognized E60389

Certified LR20812

FPZ CONNECTOR

Connector

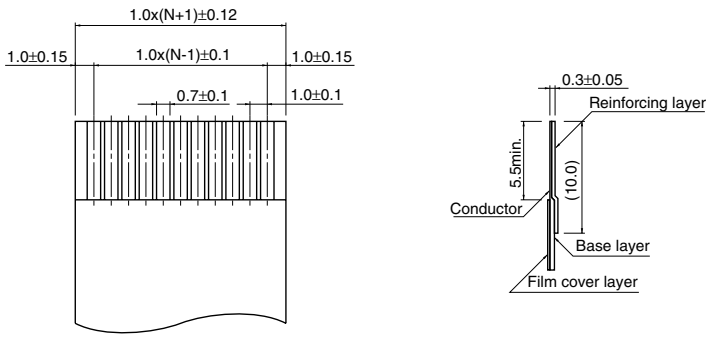


Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
7	**07FPZ-SM-TF**	6.0	13.0	2,000
8	**08FPZ-SM-TF**	7.0	14.0	2,000
10	**10FPZ-SM-TF**	9.0	16.0	2,000
11	**11FPZ-SM-TF**	10.0	17.0	2,000
12	**12FPZ-SM-TF**	11.0	18.0	2,000
13	**13FPZ-SM-TF**	12.0	19.0	2,000
14	**14FPZ-SM-TF**	13.0	20.0	2,000
15	**15FPZ-SM-TF**	14.0	21.0	2,000
16	**16FPZ-SM-TF**	15.0	22.0	2,000
18	**18FPZ-SM-TF**	17.0	24.0	2,000
20	**20FPZ-SM-TF**	19.0	26.0	2,000
24	**24FPZ-SM-TF**	23.0	30.0	2,000
25	**25FPZ-SM-TF**	24.0	31.0	2,000

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Reinforcing metal: Brass, tin-plated (reflow treatment) Housing: PPS, UL94V-0

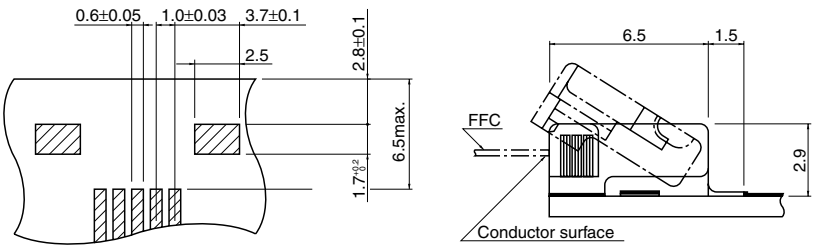
RoHS compliance *This product displays (LF)(SN) on a label.*
Note: The products listed above are supplied on embossed tape.

Lead section dimensions of FFC



Note: N --- Number of circuits

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.