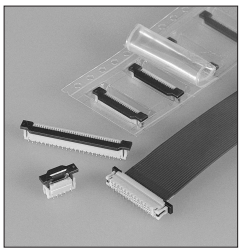
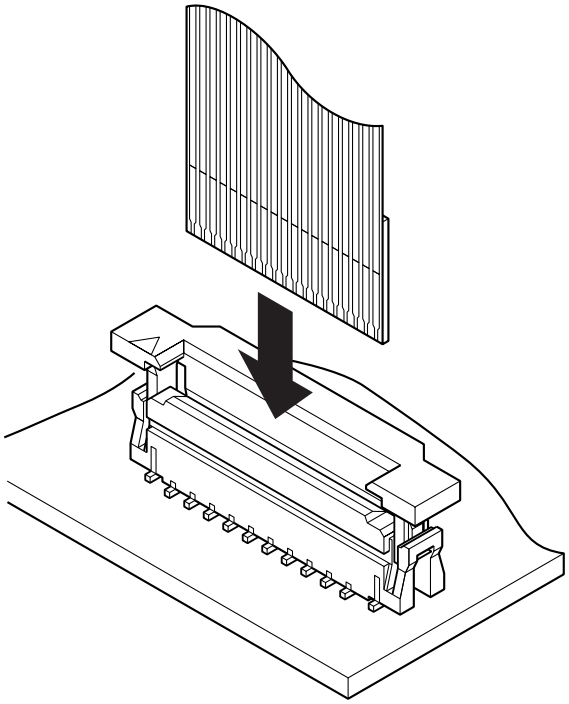


# FLZT CONNECTOR

Emboss Tape

ZIF TYPE

## *0.5mm pitch/Connectors for FPC*



***Vertical 0.5mm pitch ZIF type connector with staggered solder tails. Both normal type and reverse type are available.***

- ***Zero insertion force mechanism***
- ***Two types of connections***
- ***Heat resisting design suitable for surface 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/20m Ω max.
  After environmental testing/40m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Conductor pitch/0.5mm
  Conductor width/0.35mm
  Mating part thickness/0.3±0.05mm

*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.

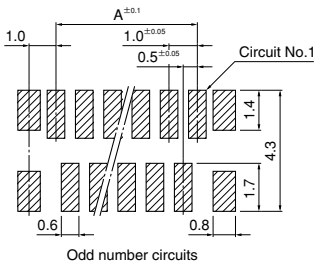
## *Standards*

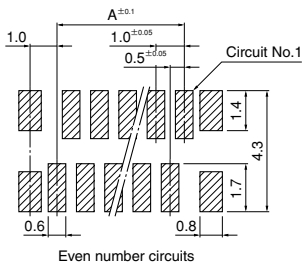
Recognized E60389

Certified LR20812

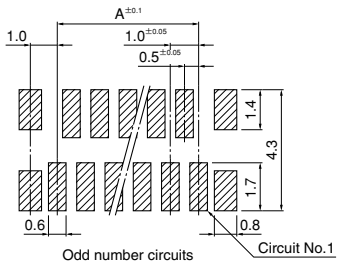
## *PC board layout (viewed from component side) and Assembly layout*

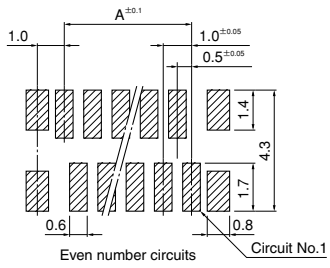
**Normal type**

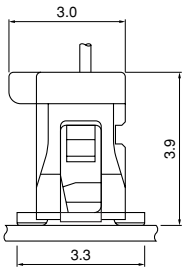



**Reverse type**



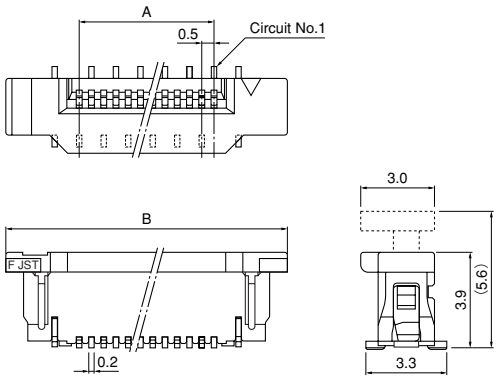



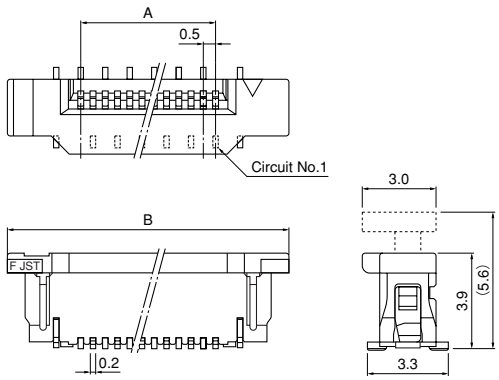

*Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.*
*2. The dimensions above should serve as a guideline. Contact JST for details.*

## Connector

### Normal type




### Reverse type

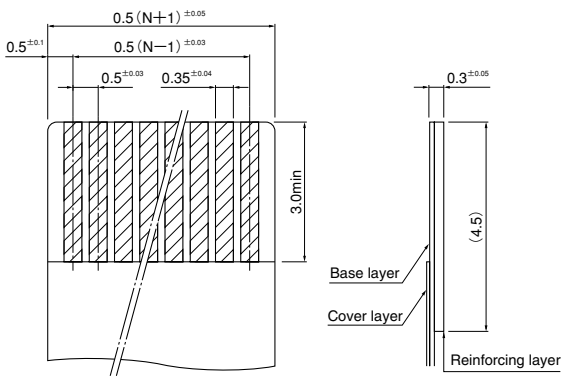



| Circuits | Model No. | | Dimensions (mm) | | Q'ty / reel |
|---|---|---|---|---|---|
| | Normal type | Reverse type | A | B | |
| 6 | **06FLZT-SM1-TF** | **06FLZT-RSM1-TF** | 2.5 | 8.5 | 1,500 |
| 8 | **08FLZT-SM1-TF** | **08FLZT-RSM1-TF** | 3.5 | 9.5 | 1,500 |
| 10 | **10FLZT-SM1-TF** | **10FLZT-RSM1-TF** | 4.5 | 10.5 | 1,500 |
| 12 | **12FLZT-SM1-TF** | **12FLZT-RSM1-TF** | 5.5 | 11.5 | 1,500 |
| 14 | **14FLZT-SM1-TF** | **14FLZT-RSM1-TF** | 6.5 | 12.5 | 1,500 |
| 15 | **15FLZT-SM1-TF** | **15FLZT-RSM1-TF** | 7.0 | 13.0 | 1,500 |
| 16 | **16FLZT-SM1-TF** | **16FLZT-RSM1-TF** | 7.5 | 13.5 | 1,500 |
| 20 | **20FLZT-SM1-TF** | **20FLZT-RSM1-TF** | 9.5 | 15.5 | 1,500 |
| 22 | **22FLZT-SM1-TF** | **22FLZT-RSM1-TF** | 10.5 | 16.5 | 1,500 |
| 24 | **24FLZT-SM1-TF** | **24FLZT-RSM1-TF** | 11.5 | 17.5 | 1,500 |
| 28 | **28FLZT-SM1-TF** | **28FLZT-RSM1-TF** | 13.5 | 19.5 | 1,500 |
| 30 | **30FLZT-SM1-TF** | **30FLZT-RSM1-TF** | 14.5 | 20.5 | 1,500 |
| 37 | **37FLZT-SM1-TF** | **37FLZT-RSM1-TF** | 18.0 | 24.0 | 1,500 |
| 40 | **40FLZT-SM1-TF** | **40FLZT-RSM1-TF** | 19.5 | 25.5 | 1,500 |
| 42 | **42FLZT-SM1-TF** | **42FLZT-RSM1-TF** | 20.5 | 26.5 | 1,500 |

| Material and Finish |
|---|
| Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)<br>Slider housing: PPS, UL94V-0<br>Nomal type...natural (brown)<br>Reverse type...black<br>Housing: PPS, UL94V-0, natural<br>Solder tab: Brass, 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*