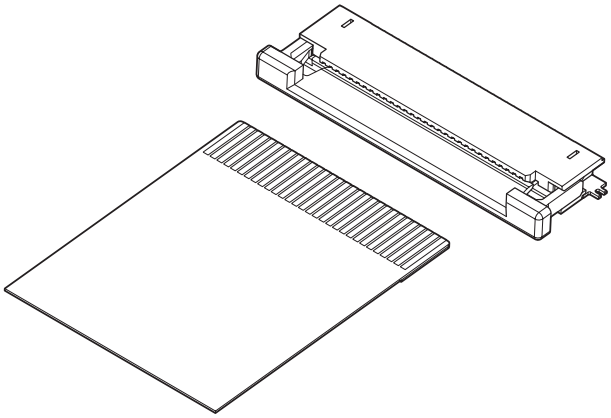
FLZ CONNECTOR

Emboss Tape

ZIF TYPE

0.5mm pitch/Connectors for FFC and FPC



This extremely small 0.5 mm pitch connector with a height of only 2.0 mm above the PCB surface allows interconnection in extremely small spaces and is an example of JST's leading edge technology.

- ***Zero insertion force mechanism***
- ***Heat resisting design suitable for surface mounting***
- ***In-line surface mount tails***
- ***Two types of connections***
- ***Embossed tape for automatic mounting***

Specifications

- Current rating: 0.5 A AC, DC
- Voltage rating: 50 V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 40 mΩ max.
  After environmental tests/ 60 mΩ max.
- Insulation resistance: 800 MΩ min.
- Withstanding voltage: 200 VAC/minute
- Applicable FFC and FPC: Conductor pitch/ 0.5 mm
  Conductor width/ 0.35 mm
  Mating part thickness/ 0.3 ± 0.03 mm

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

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

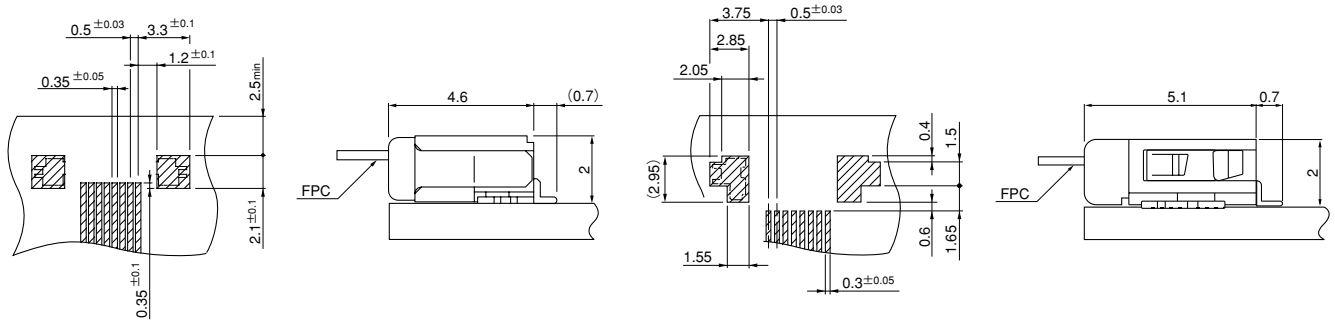
Standards

Recognized E60389

Certified LR20812

PC board layout and Assembly layout

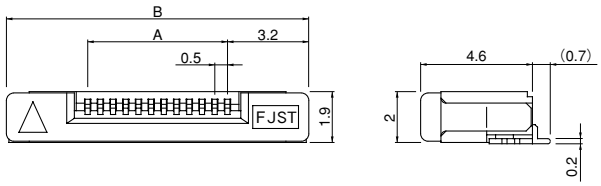
Inner lock type



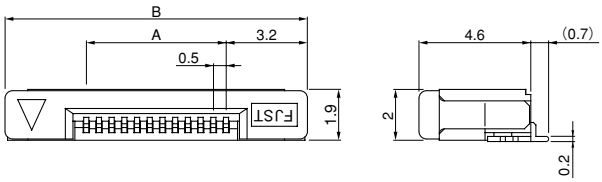
Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.03 mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

Connector

Normal type

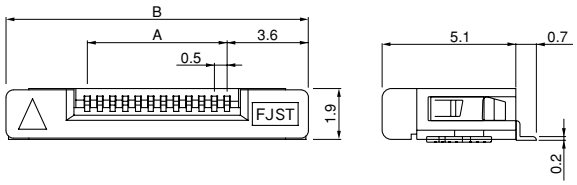


Reverse type

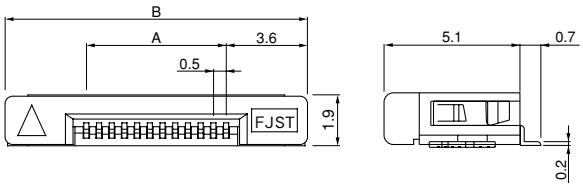


<Inner lock type>

Normal type



Reverse type



Circuits	Model No.		Dimensions (mm)		Q'ty/ reel
	Normal type	Reverse type	A	B	
6	**06FLZ-SM2-TB**	**06FLZ-RSM2-TB**	2.5	8.9	2,800
7	**07FLZ-SM2-TB**	**07FLZ-RSM2-TB**	3.0	9.4	2,800
8	**08FLZ-SM2-TB**	**08FLZ-RSM2-TB**	3.5	9.9	2,800
9	**09FLZ-SM2-TB**	**09FLZ-RSM2-TB**	4.0	10.4	2,800
10	**10FLZ-SM2-TB**	**10FLZ-RSM2-TB**	4.5	10.9	2,800
11	**11FLZ-SM2-TB**	**11FLZ-RSM2-TB**	5.0	11.4	2,800
12	**12FLZ-SM2-TB**	**12FLZ-RSM2-TB**	5.5	11.9	2,800
13	**13FLZ-SM2-TB**	**13FLZ-RSM2-TB**	6.0	12.4	2,800
14	**14FLZ-SM2-TB**	**14FLZ-RSM2-TB**	6.5	12.9	2,800
15	**15FLZ-SM2-TB**	**15FLZ-RSM2-TB**	7.0	13.4	2,800
16	**16FLZ-SM2-TB**	**16FLZ-RSM2-TB**	7.5	13.9	2,800
17	**17FLZ-SM2-TB**	**17FLZ-RSM2-TB**	8.0	14.4	2,800
18	**18FLZ-SM2-TB**	**18FLZ-RSM2-TB**	8.5	14.9	2,800
19	**19FLZ-SM2-TB**	**19FLZ-RSM2-TB**	9.0	15.4	2,800
20	**20FLZ-SM2-TB**	**20FLZ-RSM2-TB**	9.5	15.9	2,800
21	**21FLZ-SM2-TB**	**21FLZ-RSM2-TB**	10.0	16.4	2,800
22	**22FLZ-SM2-TB**	**22FLZ-RSM2-TB**	10.5	16.9	2,800
23	**23FLZ-SM2-TB**	**23FLZ-RSM2-TB**	11.0	17.4	2,800
24	**24FLZ-SM2-TB**	**24FLZ-RSM2-TB**	11.5	17.9	2,800
25	**25FLZ-SM2-TB**	**25FLZ-RSM2-TB**	12.0	18.4	2,800
26	**26FLZ-SM2-TB**	**26FLZ-RSM2-TB**	12.5	18.9	2,800
27	**27FLZ-SM2-TB**	**27FLZ-RSM2-TB**	13.0	19.4	2,800
28	**28FLZ-SM2-TB**	**28FLZ-RSM2-TB**	13.5	19.9	2,800
30	**30FLZ-SM2-TB**	**30FLZ-RSM2-TB**	14.5	20.9	2,800
33	**33FLZ-SM2-TB**	—	16.0	22.4	2,800

<Inner lock type>

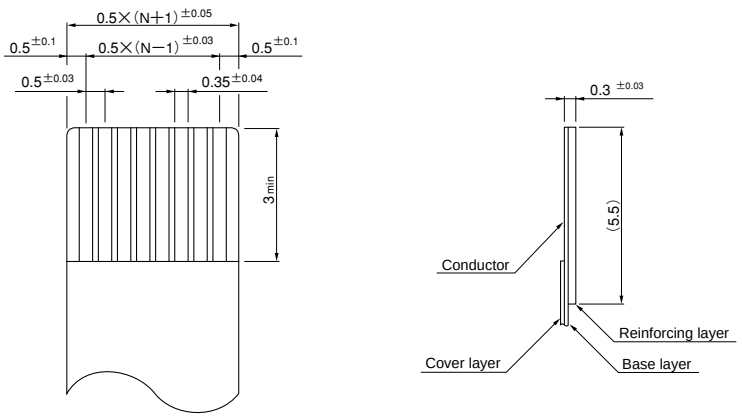
Circuits	Model No.		Dimensions (mm)		Q'ty/ reel
	Normal type	Reverse type	A	B	
13	—	**13FLZ-RSM2-R-TB**	6.0	13.1	2,800
30	**30FLZ-SM2-R-TB**	—	14.5	21.6	2,800
32	**32FLZ-SM2-R-TB**	**32FLZ-RSM2-R-TB**	15.5	22.6	2,800
34	**34FLZ-SM2-R-TB**	**34FLZ-RSM2-R-TB**	16.5	23.6	2,800
36	**36FLZ-SM2-R-TB**	**36FLZ-RSM2-R-TB**	17.5	24.6	2,800
40	**40FLZ-SM2-R-TB**	**40FLZ-RSM2-R-TB**	19.5	26.6	2,800
42	**42FLZ-SM2-R-TB**	—	20.5	27.6	2,800
45	**45FLZ-SM2-R-TB**	—	22.0	29.1	2,800
50	**50FLZ-SM2-R-TB**	—	24.5	31.6	2,800

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Slider housing: PA 6T, UL94V-0 (black) Housing: PA 6T, UL94V-0 Nomal type···gray Reverse type···natural Solder tab: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)

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

Note: These products listed above are supplied on embossed tape.

Lead section dimensions of FFC and FPC



Note: N --- Number of circuits