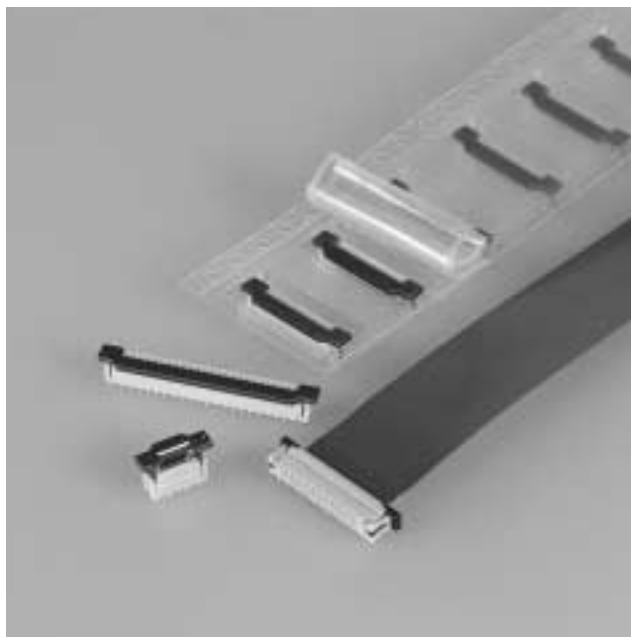
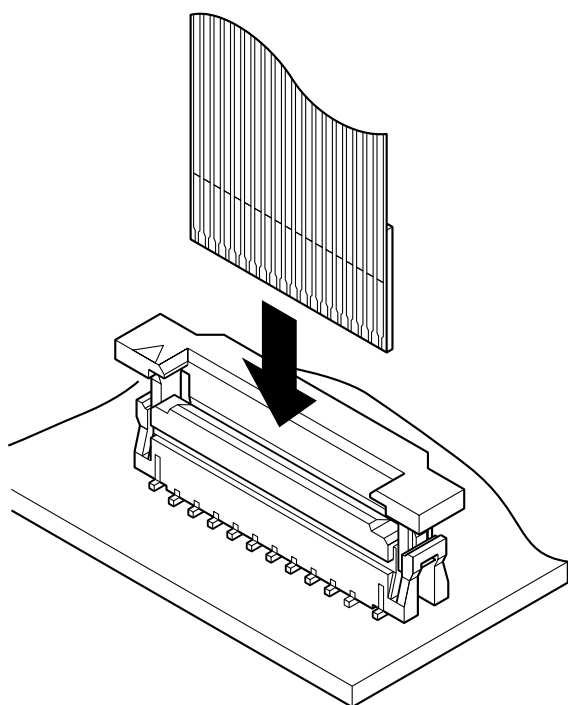


FLZT CONNECTOR

Connectors for FPC



Vertical 0.5mm (.020") pitch ZIF type connector with staggered solder tails. Both normal type and reverse type are available.



Features

• Zero insertion force mechanism

ZIF mechanism, that increases wear resistance and extends the connector's mating life, has been adopted.

• Two types of connections

the connector is available in either the normal or reverse configurations. The FPC is positioned with its mating surfaces facing upward for the normal configured connector, while the reverse configuration requires that the FPC be positioned with its mating surfaces facing down. The engineer has greater freedom in designing his circuitry.

• Heat resistant design suitable for surface mounting

The housing is made of heat resistant plastic to allow reflow soldering.

• Embossed tape for automatic mounting

The FLZT connector can be packaged in 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/20m Ω max.
After environmental testing/40m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Lead pitch/0.5mm(.020")
Lead width/0.35mm(.014")
Mating part thickness/
0.3±0.05mm (.012"±.002")

<Note>FPC to be actually used should be checked for applicability.

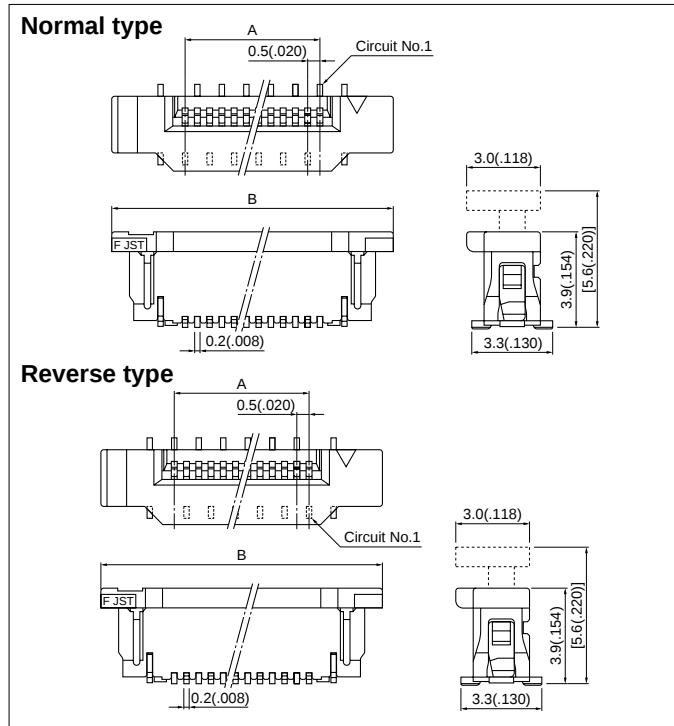
* Contact JST if Lead-Free product is required.

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

* Contact JST for details.

FLZT CONNECTOR

Connector



Cir- cuits	Model No.		Dimensions mm(in.)		Q'ty / reel
	Normal type	Reverse type	A	B	
6	06FLZT-SM1-TF	06FLZT-RSM1-TF	2.5(.098)	8.5(.335)	1,500
12	12FLZT-SM1-TF	12FLZT-RSM1-TF	5.5(.217)	11.5(.453)	1,500
14	14FLZT-SM1-TF	14FLZT-RSM1-TF	6.5(.256)	12.5(.492)	1,500
15	15FLZT-SM1-TF	15FLZT-RSM1-TF	7.0(.276)	13.0(.512)	1,500
16	16FLZT-SM1-TF	16FLZT-RSM1-TF	7.5(.295)	13.5(.531)	1,500
20	20FLZT-SM1-TF	20FLZT-RSM1-TF	9.5(.374)	15.5(.610)	1,500
22	22FLZT-SM1-TF	22FLZT-RSM1-TF	10.5(.413)	16.5(.650)	1,500
24	24FLZT-SM1-TF	24FLZT-RSM1-TF	11.5(.453)	17.5(.689)	1,500
37	37FLZT-SM1-TF	37FLZT-RSM1-TF	18.0(.709)	24.0(.945)	1,500
40	40FLZT-SM1-TF	40FLZT-RSM1-TF	19.5(.768)	25.5(1.004)	1,500
42	42FLZT-SM1-TF	42FLZT-RSM1-TF	20.5(.807)	26.5(1.043)	1,500

Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated
Slider housing: PPS, UL94V-0

() FLZT-SM1-TF...natural (brown)

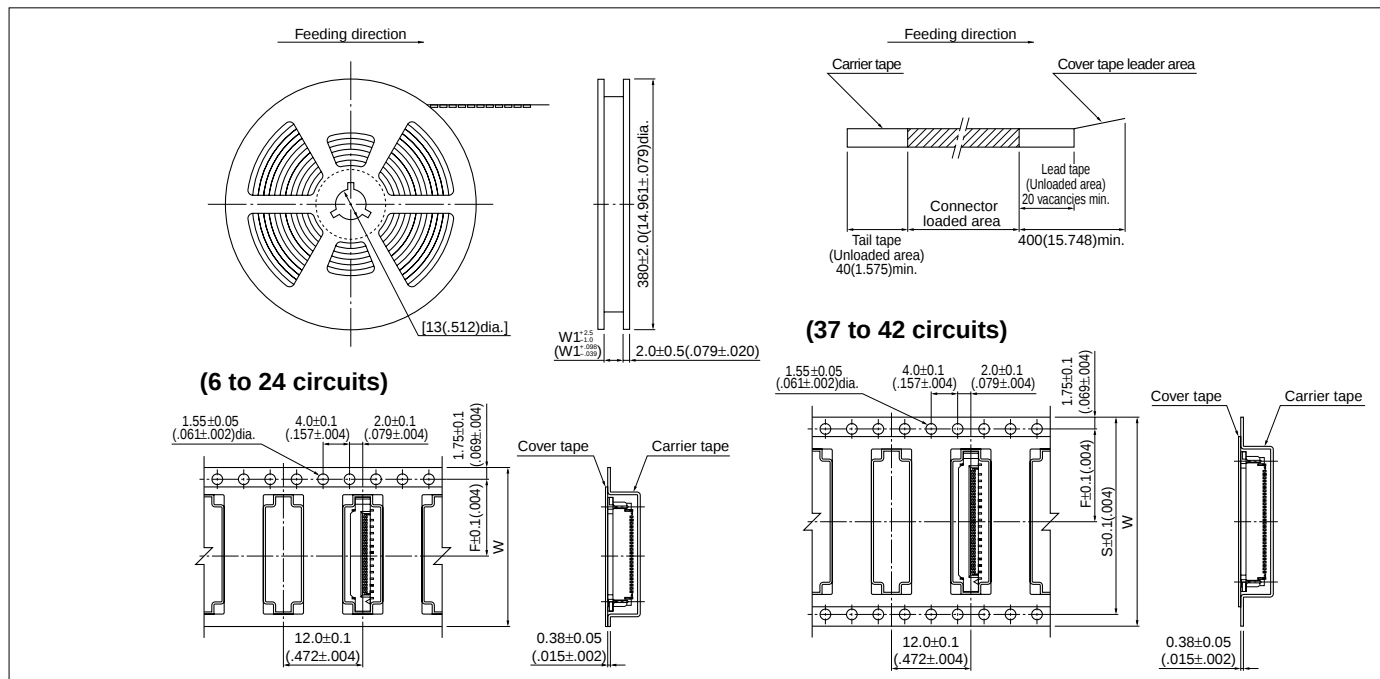
() FLZT-RSM1-TF...black

Housing: PPS, UL94V-0 natural

Solder tab: Brass, copper-undercoated, tin/lead-plated

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

Taping specifications

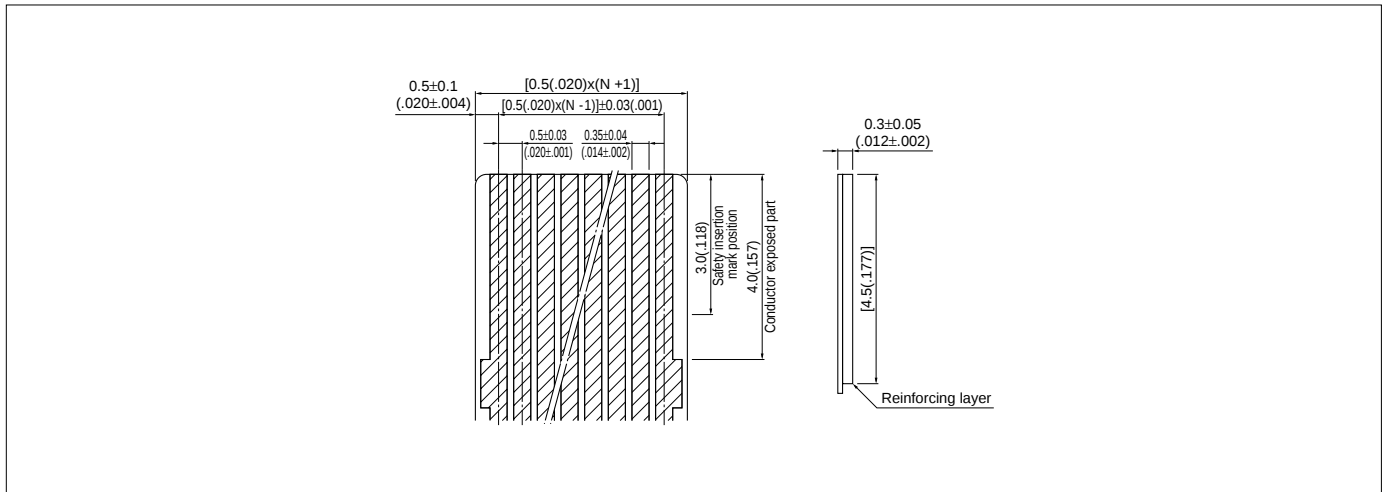


Circuits	Taping dimensions mm(in.)			Reel dimensions mm(in.)	Q'ty / reel
	F	S	W	W1	
6	7.5(.295)	—	16(.630)	17.5(.689)	1,500
13 to 24	11.5(.453)	—	24(.945)	25.5(1.004)	1,500
37 to 42	20.2(.795)	40.4(1.591)	44(1.732)	44.5(1.752)	1,500

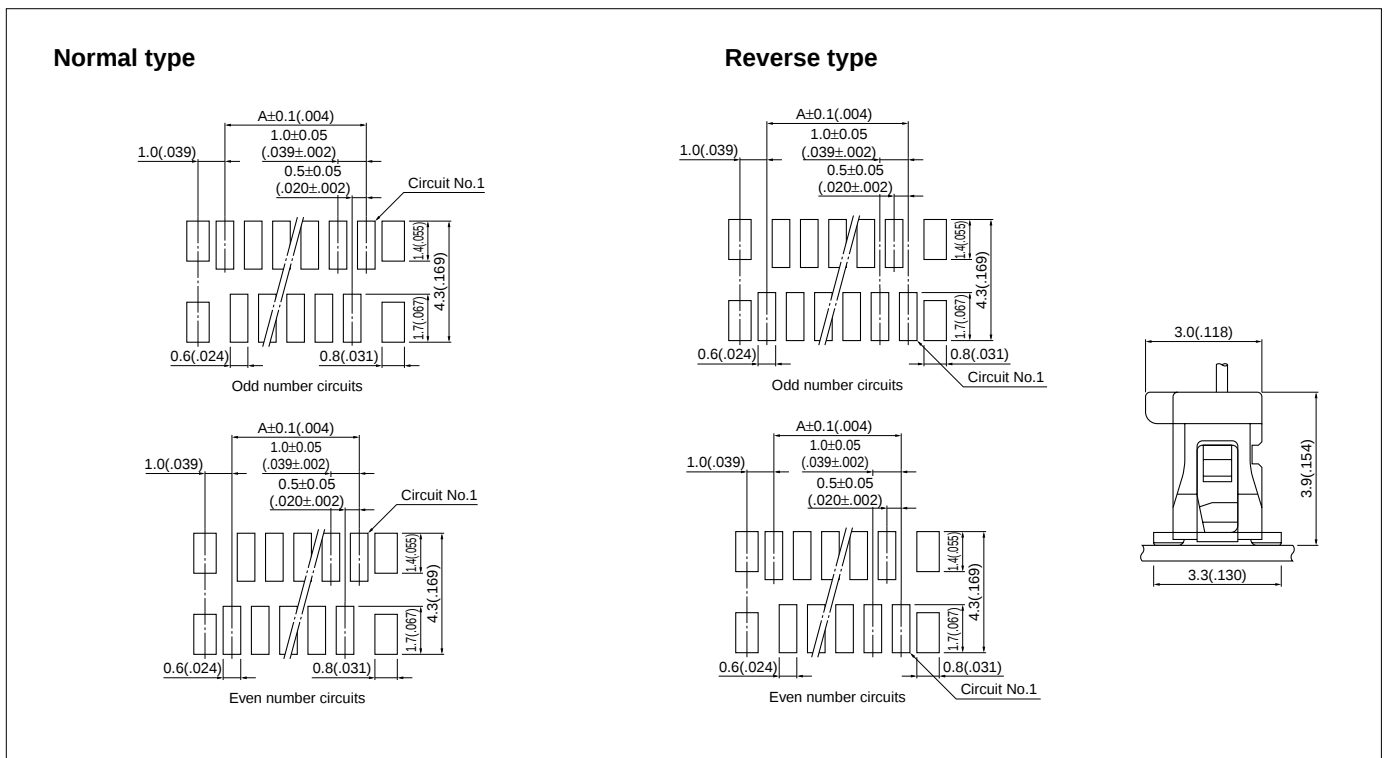
Note:

- Specifications conform to JIS C 0806. The tape width, connector recess dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.
- Specifications are subject to change without prior notice.

Lead section dimensions of FPC



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



Note:

1. Tolerances are non-cumulative: $\pm 0.03\text{mm}(\pm .001")$ for all centers.
2. The dimensions above should serve as a guideline.
Contact JST for details.