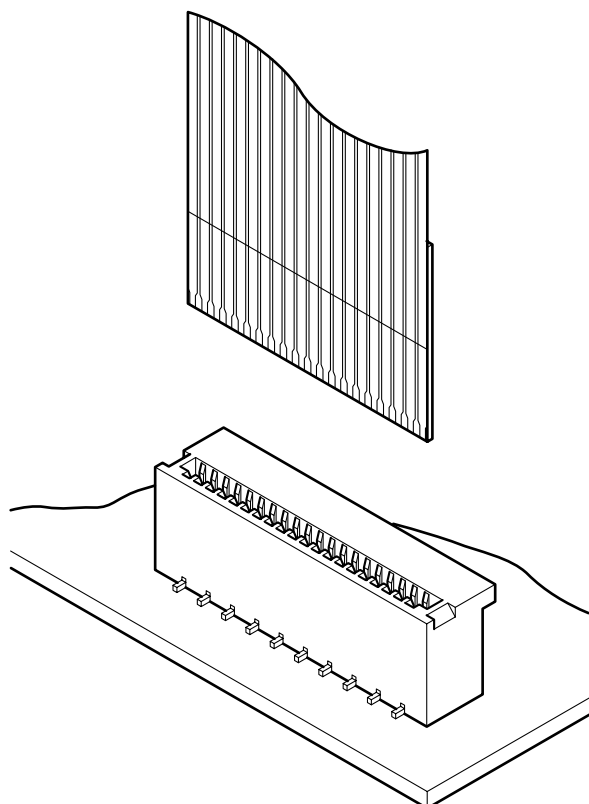


FLT CONNECTOR

Connectors for FFC and FPC



Features

- **Heat resistant design suitable for surface mounting**

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

- **Staggered surface mount tails**

The lead pitch is thus 1.0mm (.039"), which enables connector mounting operation easier.

- **Embossed tape for automatic mounting**

The FLT connector is packaged in embossed tape for automatic mounting. The plastic reel can be used repeatedly, good for eco-system.

- **FFC/FPC insertion is easy**

Staggered and unique contact point layout can reduce the FFC/FPC insertion force, yet with secure retention force.

- **Compact design**

This connector measures only 4.15mm (.163") high after mounting, with a reduced surface mounting area, as solder tabs are not necessary because of the staggered solder tail construction.

Specifications

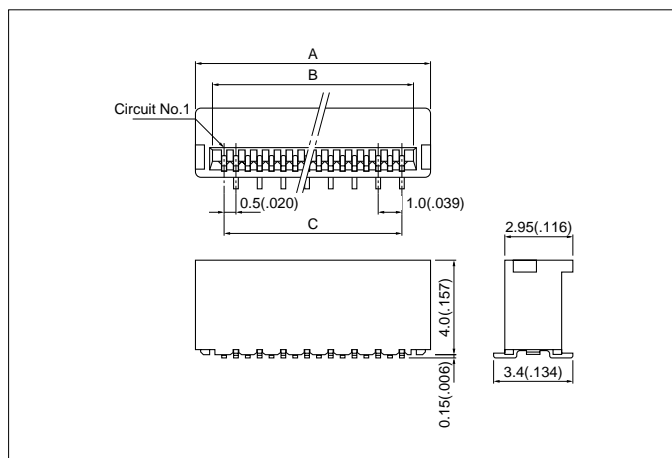
- Current rating: 0.5A AC, DC
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/50m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FFC and FPC: Lead pitch/0.5mm (.020")
Lead width/0.35mm (.014")
Mating part thickness/
0.30 \pm 0.05mm (.012" \pm .002)

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

* Contact JST for details.

FLT CONNECTOR

Connector



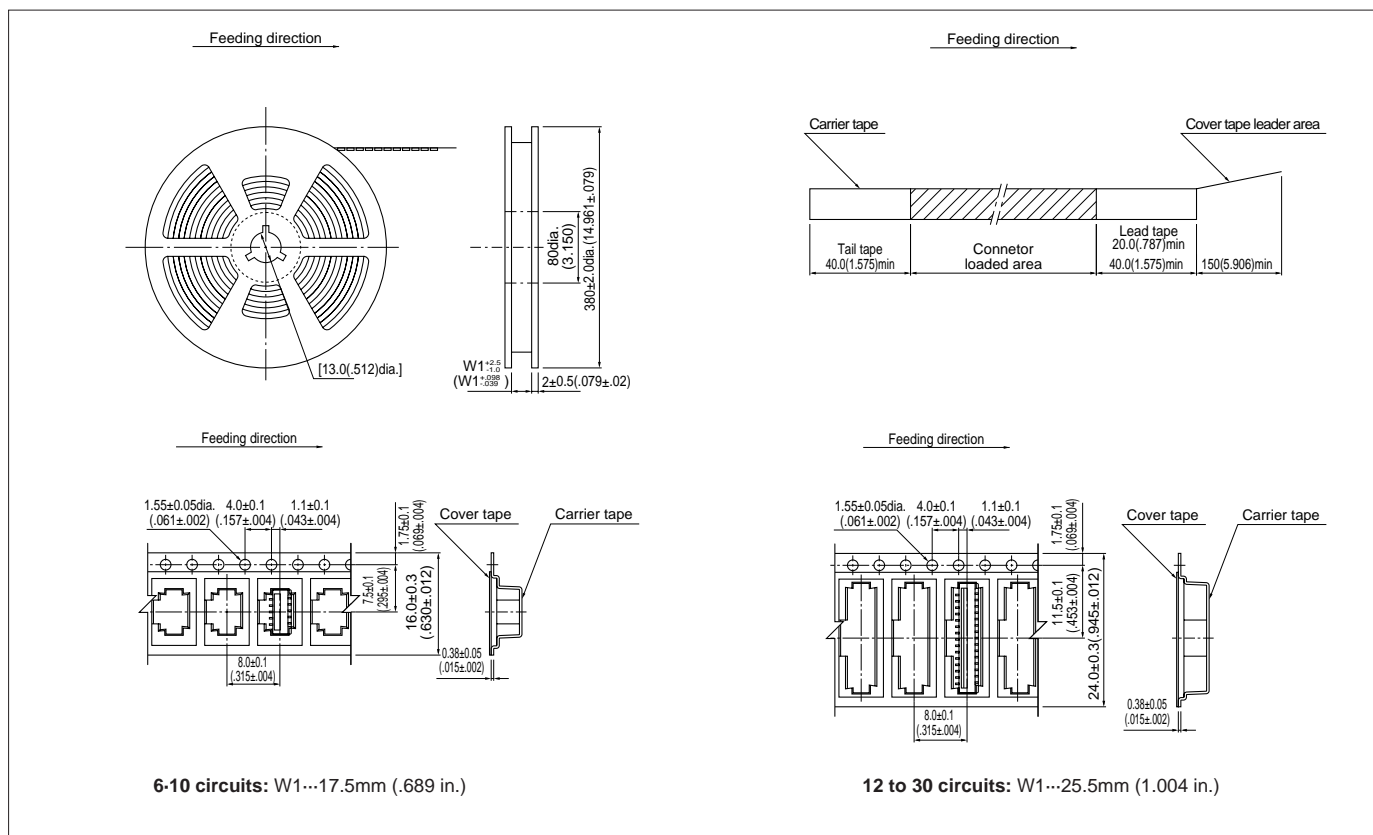
Circuits	Model No.	Dimensions mm (in.)			Q'ty/ reel
		A	B	C	
6	06FLT-SM1-TB	4.9(.193)	3.5(.138)	2.5(.098)	2,500
10	10FLT-SM1-TB	6.9(.027)	5.5(.217)	4.5(.177)	2,500
12	12FLT-SM1-TB	7.9(.311)	6.5(.256)	5.5(.217)	2,500
14	14FLT-SM1-TB	8.9(.350)	7.5(.295)	6.5(.256)	2,500
16	16FLT-SM1-TB	9.9(.390)	8.5(.335)	7.5(.295)	2,500
18	18FLT-SM1-TB	10.9(.429)	9.5(.374)	8.5(.335)	2,500
20	20FLT-SM1-TB	11.9(.469)	10.5(.413)	9.5(.374)	2,500
24	24FLT-SM1-TB	13.9(.547)	12.5(.492)	11.5(.453)	2,500
26	26FLT-SM1-TB	14.9(.587)	13.5(.531)	12.5(.492)	2,500
28	28FLT-SM1-TB	15.9(.626)	14.5(.571)	13.5(.531)	2,500
30	30FLT-SM1-TB	16.9(.665)	15.5(.610)	14.5(.571)	2,500

Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated
Housing: Nylon 46, UL94V-0

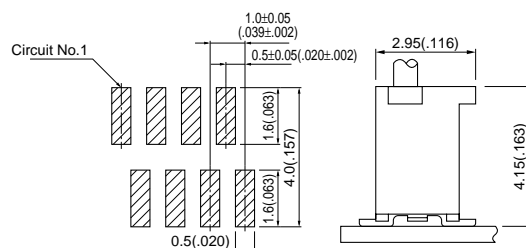
Note: The products listed above are supplied on embossed-tape.

Taping specifications



Note: Specifications conform to JIS C 0806. The tape width, connector recess hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.

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



Note:

1. Tolerances are non-Cumulative: $\pm 0.05\text{mm}$ ($\pm .002''$) for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method.
The dimensions above should serve as a guide line. Contact JST for details.

Lead section dimensions of FFC and FPC

