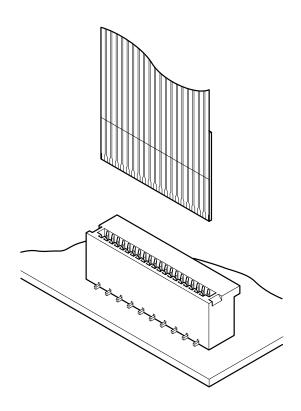


# **FLT** CONNECTOR



0.5 mm pitch/Connectors for FPC



- Heat resisting design suitable for surface mounting
- Staggered surface mount tails
- Embossed tape for automatic mounting
- FPC insertion is easy
- Compact design

## 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/ 50 m $\Omega$  max.

After environmental tests/ 20 m $\Omega$  max.

(variation from initial value)

- Insulation resistance: 500 M $\Omega$  min.
- · Withstanding voltage: 200 VAC/minute
- Applicable FPC: Conductor pitch/ 0.5 mm

Conductor width/ 0.35 mm

Mating part thickness/ $0.3 \pm 0.05$  mm

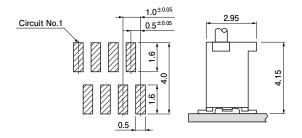
Note: FPC to be actually used should be checked for applicability.

- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

#### Standards -

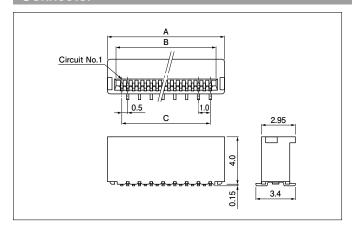
Recognized E60389

#### PC board layout and Assembly layout



- Note: 1. The above figure is the figure viewed from the connector mounting side.
  - 2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
  - 3. The dimensions above should serve as a guide line. Contact JST for details.

## Connector



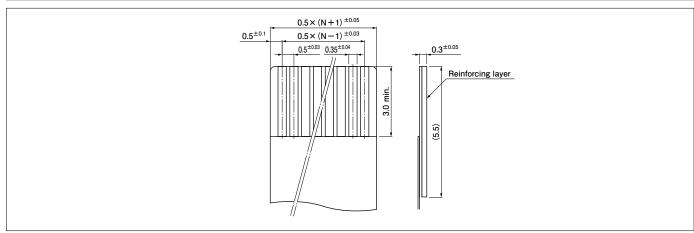
No. of circuits	Model No.	Dimensions (mm)			Q'ty/
		Α	В	С	reel
6	06FLT-SM2-TB	4.9	3.5	2.5	2,500
8	08FLT-SM2-TB	5.9	4.5	3.5	2,500
10	10FLT-SM2-TB	6.9	5.5	4.5	2,500
12	12FLT-SM2-TB	7.9	6.5	5.5	2,500
14	14FLT-SM2-TB	8.9	7.5	6.5	2,500
16	16FLT-SM2-TB	9.9	8.5	7.5	2,500
18	18FLT-SM2-TB	10.9	9.5	8.5	2,500
20	20FLT-SM2-TB	11.9	10.5	9.5	2,500
22	22FLT-SM2-TB	12.9	11.5	10.5	2,500
24	24FLT-SM2-TB	13.9	12.5	11.5	2,500
26	26FLT-SM2-TB	14.9	13.5	12.5	2,500
28	28FLT-SM2-TB	15.9	14.5	13.5	2,500
30	30FLT-SM2-TB	16.9	15.5	14.5	2,500
32	32FLT-SM2-TB	17.9	16.5	15.5	2,500
40	40FLT-SM2-TB	21.9	20.5	19.5	2,500

#### Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Housing: PA 6T, UL94V-0

RoHS2 compliance This product displays (LF)(SN) on a label. Note: The products listed above are supplied on embossed-tape.

### Lead section dimensions of FPC



Note: N --- Number of circuits