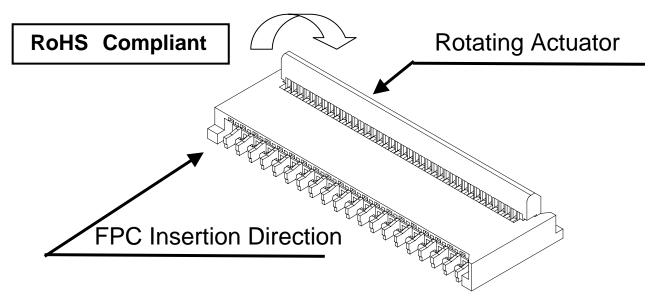




0.3mm Pitch Upper Contact One-touch connector for FPC

CONNECTOR MB-0154-4 October 2007

# **FB8 Series**



< Outline >

The FB8 Series are upper contact 0.3-mm pitch one-touch FPC connectors for compact and small portable devices such as mobile PCs, PDAs, LCDs and mobile phones.

#### **Features**

- ■Upper surface contact 0.3 mm pitch one touch FPC connector
- ■Easy actuator operation due to rotating mechanism
- ■Supply of SMT type for automatic mounting with embossed tape
- ■Connector with 4.3mm depth (when placed on board), 1.2 mm height, and width of 0.3(N-1)+1.6mm to save space (N= Number of positions)
- ■Contact with solder wicking countermeasure

#### **General Specification**

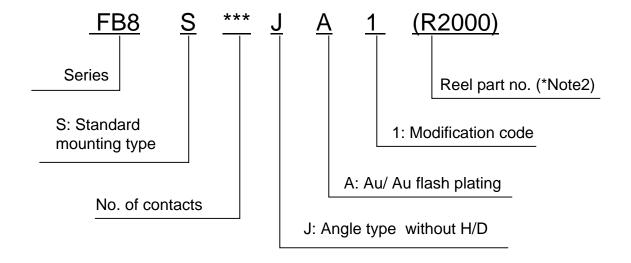
- ■No. of contacts: 17, 23, 25, 29, 31, 33,
- ■Contact resistance: 20m ohm max.
- ■Dielectric withstanding voltage: DC250V per minute
- ■Operating temperature:
  - -40 Deg. C to +85 Deg. C
- ■Durability: 20 times

- ■Rated current: 0.35A per pos.
- 35, 39, 41, 45, 51 pos. ■Rated voltage: AC, DC 50V per pos.
  - ■Insulation resistance: 100M ohm min.
  - ■Contact pitch: 0.3mm staggered pitch
  - ■Applicable FPC: 0.3 mm pitch
    - thickness 0.2 ±0.03 with lining

## Materials and Finishes

Components	Materials / Finishes		
Contact	Copper alloy / Contact area: Au plating		
	Terminal area: Au flash plating		
Base Insulator	Synthetic resin / No (UL94V-0)		
Actuator	Synthetic resin / No (UL94V-0)		

## Ordering Information



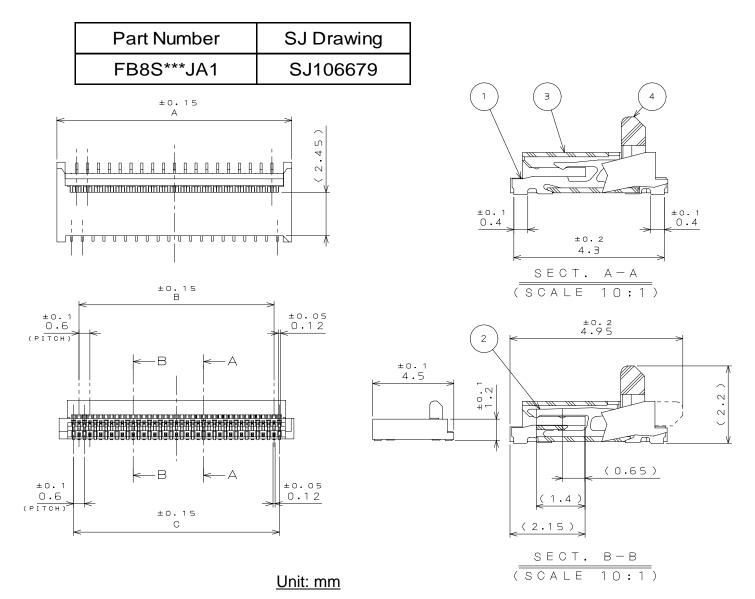
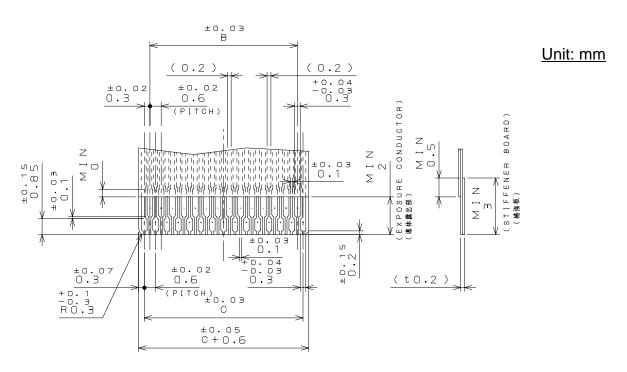


TABLE 1

No. of Contacts	А	В	С
17	6.4	4.2	4.8
23	8.2	6.0	6.6
25	8.8	6.6	7.2
29	10.0	7.8	8.4
31	10.6	8.4	9.0
33	11.2	9.0	9.6
35	11.8	9.6	10.2
39	13.0	10.8	11.4
41	13.6	11.4	12.0
45	14.8	12.6	13.2
51	16.6	14.4	15.0



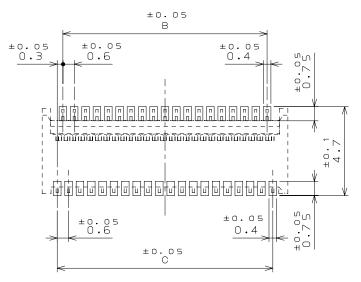
#### Applicable dimension of FPC (for reference)

Note1) Please use polyimide for FPC stiffener with thermosetting adhesive.

Finish bare traces with Au plating.

Note2) An embossed tape reel contains 2000 pieces.

Please contact us for details on embossed tape specifications



#### Applicable dimension of board (for reference)

**Notice:** Products shown in this leaflet are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: Computers, Office machines, Measuring devices,

Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.

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<sup>\*</sup> The specifications in this brochure are subject to change without notice. Please contact JAE for information.

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