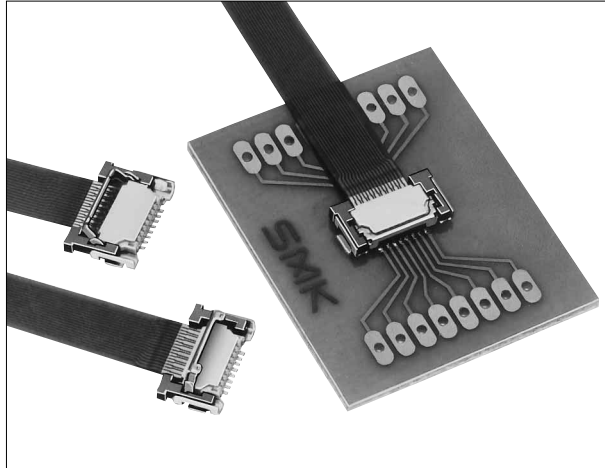


## 0.3 mm spacing FPC connector, EC-03 series, ( Easy flip lock type)

This is a 0.3 mm spacing FPC connector, a new development, of an easy flip lock system featuring high level contact reliability and operability.



### ■ Features

1. High level operability using our exclusive easy flip lock system where rotation of the lever slides and locks the cover.
2. Enhanced reliability in contact provided by a contact structure comprising a slider mechanism which is less sensitive to bending
3. Both top or bottom contact design available (the bottom contact type still under development).
4. Low profile design of only 1.3 mm above the PWB surface
5. ZIF structure contacts arranged in a zigzag pattern
6. Lead-free plating on contacts
7. Delivery with levers thrown in the open position makes users' lever release operation unnecessary, a great contribution to improvement in productivity of assembly lines

### ■ Major specifications

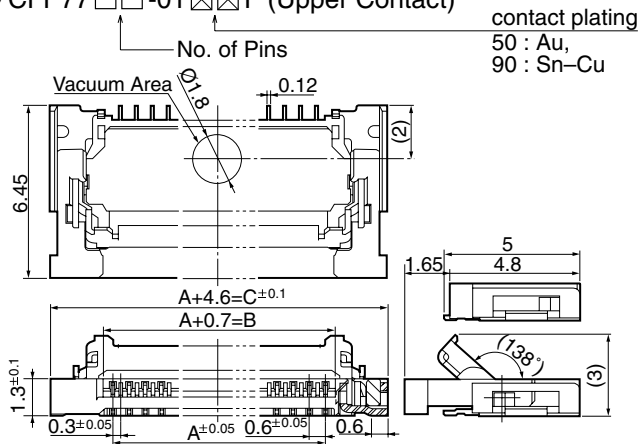
- Rating: .....50V AC/DC, 0.3A
- Contact resistance: .....30m ohm, max.
- Insulation resistance: .....100M ohm, min. at 100V DC
- Withstanding voltage: .....100V AC for 1 minute
- Operating temperature range: .....-40°C to +85°C

### ■ Applications

Small portable equipment such as DVCs, DSCs, PDAs, and cell phones

### ■ Dimensions

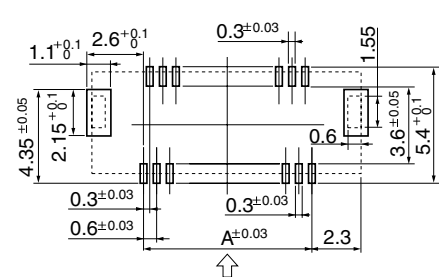
- CFP77 □ □ -01 ⊠ ⊠ F (Upper Contact)



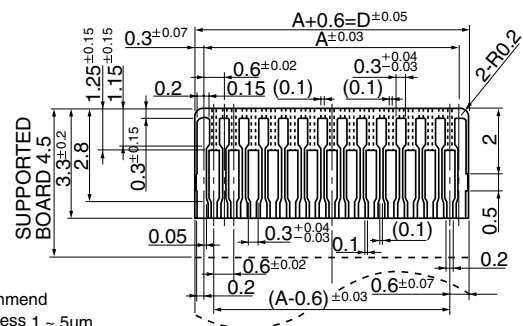
□ □ No. of Pins	A	B	C	D
17	4.8	5.5	9.4	5.4
21	6.0	6.7	10.6	6.6
27	7.8	8.5	12.4	8.4
33	9.6	10.3	14.2	10.2
39	11.4	12.1	16.0	12.0
45	13.2	13.9	17.8	13.8
51	15.0	15.7	19.6	15.6
57	16.8	17.5	21.4	17.4

FPC plating (Sn-Pb) to recommend  
Finish Sn : Pb=9 : 1 Thickness 1 ~ 5µm

### ■ PC Board Dimension



### ■ Applicable FPC Dimension (FPC thickness: 0.2 ± 0.03mm)



- Specification are subject to change without previous notice for improvements in product performance.
- Dimensions and specifications described herein are limited major items only. When using the products, please confirm with the specifications which will be provided to you upon request.

## SMK CORPORATION

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