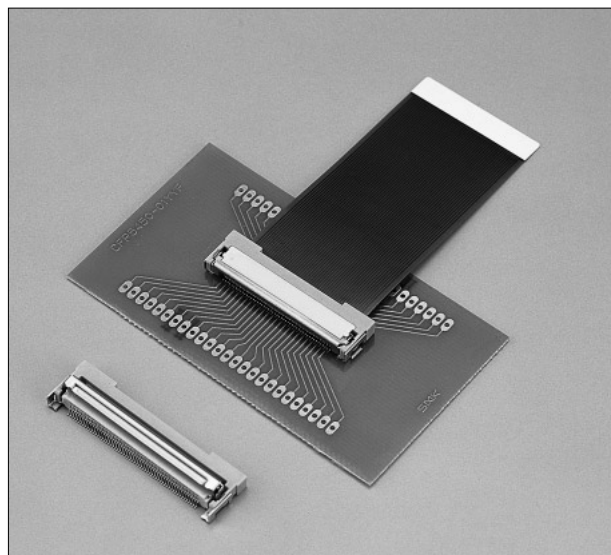


0.5 mm spacing FPC connector, EC-05 series, (Easy flip lock type)

An easy flip lock type 0.5 mm-spacing multi-pole FPC connector, with the focus placed on the reliability of contact performance, and on handlability of connectors when FPC/FFC wires are attached



Features

- 1.The wire-fixation lever is of our own easy flip lock system where the locking action is completed by sliding the cover with the rotating lever, resulting in better operability (a structure where the cover moves in conjunction with the lever).
- 2.The contact section is made of a slider structure least susceptible to warping. High level reliability is ensured even for multi-pole design.
- 3.A top and bottom contact design is optionally available. Contact plating is lead-free solderable.
- 4.Upon request, it is possible to provide a structure whereby unintended disconnection of FPC/FFC can be protected and insufficient insertion prevented.

Major specifications

- Voltage and current rating:50V 0.5A AC/DC
- Contact resistance:30mΩ max.
- Insulation resistance:100MΩ min. at 100V DC
- Withstanding voltage:100V AC for 1 minute
- Operating temperature range:-40°C to +85°C

Applications

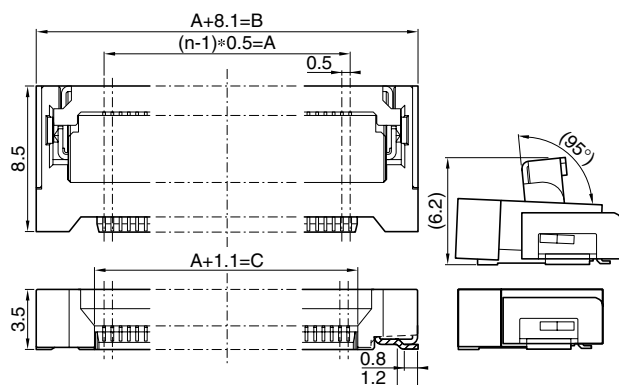
Automotive electronics, FPD such as PDPs and LCDs, etc.

Dimensions

- CFP64 □ □ -01 □ □ F (Lower Contact)

No. of Pins

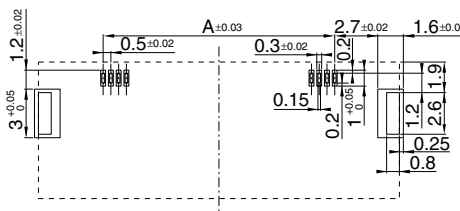
contact plating
01 : Au,
02 : Sn-Cu



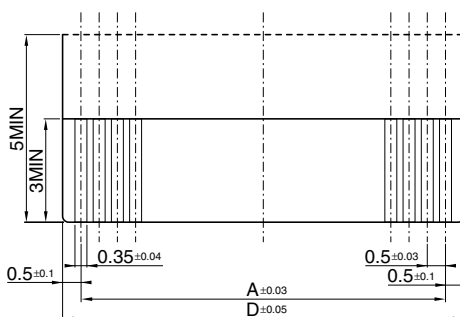
| XX | A | B | C | D | Finish |
|----|------|------|------|------|------------|
| 80 | 39.5 | 47.6 | 40.6 | 40.5 | Au |
| 60 | 29.5 | 37.6 | 30.6 | 30.5 | Au or SnCu |
| 50 | 24.5 | 32.6 | 25.6 | 25.5 | Au or SnCu |

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

PC Board Dimension



Applicable FPC Dimension (FPC thickness: $0.3 \pm 0.05\text{mm}$)



- 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.

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