

## FPC Connectors

# EF-51 Series 0.5mm Pitch (SMT)



### ■ Features

- Our original front flip lock structure ensures multi pins products of high level contact reliability.
  - The structure which relieves the load from the cover when the FPC is locked will prevent detachment or breakage of the cover.
  - There are no restrictions to the direction in which the FPC can be laid.
- By turning the cover, an FPC/FFC can be connected easily with only a small force.
- Low profile of 2.5mm height when mounted.
- A small area with a 4.9mm depth will contribute to a reduced PCB mounting area.
- Convenient bottom contact design.
- A mechanism to prevent FPCs from coming loose is provided.
- Using the ZIF structure.
- Supplied in the embossed taping with automatic mounter.

### ■ Specification

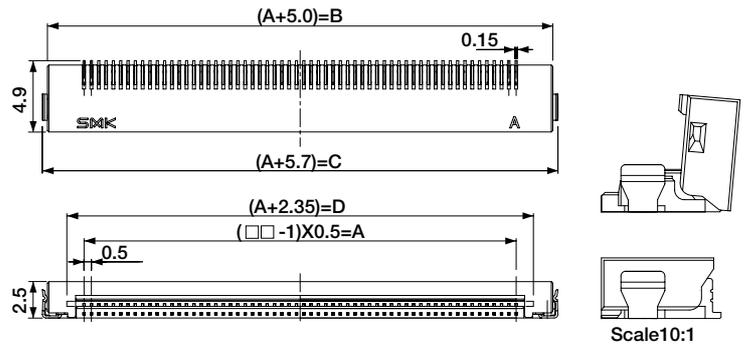
- Rating: 0.5A, 50V AC/DC
- Contact Resistance: 30mΩ, max., initially
- Insulation Resistance: 100MΩ, min. at 100V DC
- Withstanding Voltage: 100V AC (for one minute)
- Operating Temperature Range: -40°C to +85°C

### ■ Material and Plating

- Housing: Thermoplastic Resin, Natural Color, 94V-0
- Cover: Thermoplastic Resin, Black, 94V-0
- Contact: Cu Alloy, Au Plating
- Hold-down: Cu Alloy, Sn Plating

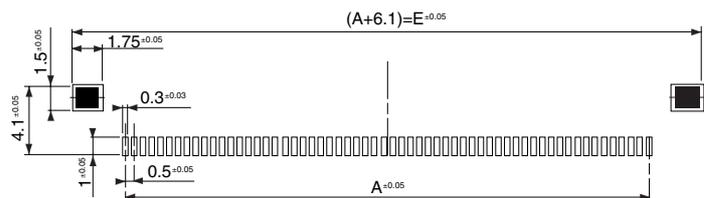
### ● CFP89□□-0350F

↑ No. of Pins

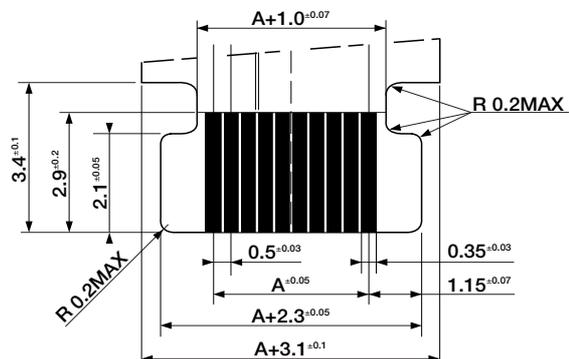


□□ No. of Pins	A	B	C	D	E
20	9.5	14.5	15.2	11.85	15.6
40	19.5	24.5	25.2	21.85	25.3
45	22.0	27.0	27.7	24.35	27.8
50	24.5	29.5	30.2	26.85	30.3
80	39.5	44.5	45.2	41.85	45.3

### ■ P.C. Board Dimension



### ■ Applicable FPC Dimension (t=0.3±0.05)



● Please contact us for the 45 and 80 pins.

● FPC plating to recommend : Au plating