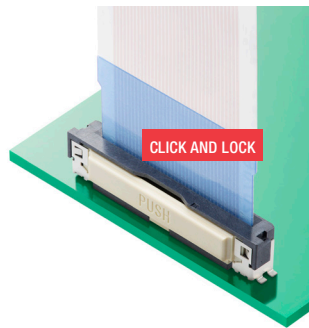
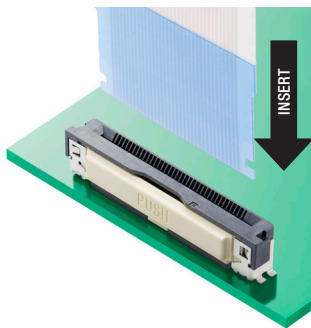


# Easy-On FFC/FPC One-Touch Connectors, 200485 Series >

Easy-On FFC/FPC One-Touch Connectors feature single-step mating with an auto lock-nail mechanism and high-retention force for a quick and reliable connection and easy operation, making these connectors ideal for many industries

## FEATURES AND ADVANTAGES



### Lock-nail system

Ensures FFC/FPC cable connection by high retention force

### Selective gold plating on signal terminal

Prevents solder wicking for the SMT solder tail

### Ground Terminal (optional)

Provides superior signal integrity

### One-touch insertion operation

A wide FFC/FPC mouth helps in easy insertion and auto-lock assembly line benefits the customer manufacturing line

### Visible release button

Eases FFC/FPC cable release operation

### Operates at a temperature of up to 125°C

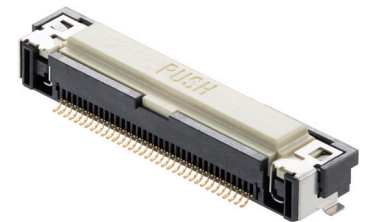
Meets a wide range of application needs



Right-Angle version



Vertical version



Easy-On, One-Touch Right-Angle Connector shown  
(Same features applicable on vertical connector)

## MARKETS AND APPLICATIONS

### Connected Home / Home Appliance

Smart appliances  
Smart connected appliances  
Vending machines

### Data/Computing

Servers / Networking / Storage

### Consumer

Home entertainment  
Flat LCD / LED display panels  
Home security

### Industrial

Connectivity  
Signal

### Industrial Automation

Automotive assembly line



Smart Appliances



PCB Servers



LED (OLED) displays

# Easy-On FFC/FPC One-Touch Connectors, 200485 Series >

## SPECIFICATIONS

### Reference Information

Packaging: Embossed  
 UL File No.: UL94V-0  
 Mates With: FFC/FPC  
 Designed In: Millimeters  
 RoHS: Yes  
 Halogen Free: Low halogen

### Electrical

Voltage (max.): 50V  
 Current (max.): 0.5A  
 Contact Resistance (max.): 40 milliohms  
 Dielectric Withstanding Voltage: 125V AC  
 Insulation Resistance (min.): 50 Megohms

### Mechanical

Durability (min.): 20 cycles

### Physical

Housing: LCP  
 Button: LCP  
 Contact: Copper Alloy  
 Plating:  
 Signal Contact Area — Gold (Au)  
 Signal Solder Tail Area — Gold (Au)  
 Nail Solder Tail Area — Tin (Sn)  
 Ground Contact Area — Tin (Sn) <option>  
 Ground Solder Tail Area — Tin (Sn) <option>  
 Underplating: Nickel (Ni)  
 FFC/FPC Thickness:  
 0.30 +/-0.05mm (standard without ground)  
 0.33 +/-0.03mm (option with ground)  
 Operating Temperature:  
 -40 to +105°C / -40 to +125°C

## ORDERING INFORMATION

| Part Number | Pitch (mm) | Height (mm) | Current (max.) | Voltage (max.) | Orientation | Contact Position | Ground | Circuit size | Operating Temperature | Plating | Durability |
|-------------|------------|-------------|----------------|----------------|-------------|------------------|--------|--------------|-----------------------|---------|------------|
| 200485-00** | 0.50       | 4.46        | 0.5A           | 50V            | Right-Angle | Bottom           | No     | 10 to 80     | -40 to +125 °C        | Gold    | 20 cycles  |
| 200485-01** |            | 5.60        |                |                | Vertical    | -                |        |              |                       |         |            |
| 200485-02** |            | 4.46        |                |                | Right-Angle | Bottom           | Yes    |              |                       |         |            |
| 200485-03** |            | 5.60        |                |                | Vertical    | -                |        |              |                       |         |            |
| 200485-04** |            | 4.46        |                |                | Right-Angle | Bottom           | No     |              |                       |         |            |
| 200485-05** |            | 5.60        |                |                | Vertical    | -                |        |              |                       |         |            |
| 200485-06** |            | 4.46        |                |                | Right-Angle | Bottom           | Yes    |              | -40 to +105 °C        |         |            |
| 200485-07** |            | 5.60        |                |                | Vertical    | -                |        |              |                       |         |            |

\* Replace \*\* with circuit size

[www.molex.com/link/easyon.html](http://www.molex.com/link/easyon.html)