

# DUFLEX

2.54mm Pitch

## OVERVIEW

FCI, a leader in flex circuit connectors offers the most innovative and complete range of products in the industry. FCI offers products in LIF (low insertion force) and ZIF (zero insertion force), top and bottom contact options, vertical and right angle orientations, surface mount and through hole terminations in contact spacing options all the way down to 0.2mm with finer pitch products on the way.

Additional features, such as optional cable locks and additional mounting devices, insure that FCI has a solution for almost any application, no matter how demanding.

As your connection to innovation, FCI continues to bring you unique solutions that not only give you the footprint you need but help to maximize the quality level of your application. Many of our flex circuit connectors offer ZIF with prehold, which applies a small retention force on the cable to hold it in place until the actuator is locked. FCI introduced the first flex connector with a back side flip actuator that allows the user to insert the flex cable and lock the actuator with one hand. FCI improved that feature on many products by modifying the connector housing to provide visual confirmation that the flex cable is mated properly. FCI was also the company that first brought you the option of an FFC/FPC connector under 1mm in height. These features combine to insure your application has the highest quality possible when it leaves your site.

Duflex™ connectors represent a low cost and reliable solution for terminating FPC/FFC and membrane touch switches. Designed for use on a 2.54mm grid the Duflex connector combines the advantage of the well proven Dubox™ receptacle with the assembly speed of IDC (Insulation Displacement Contact) termination techniques. Available in single and double row versions with up to 36 contacts per row.



## FEATURES & BENEFITS

- Reliable dual beam contact design features pre-stressed contact beam for low insertion force
- Ideal for large-volume users
- Mass-termination reduces overall costs and time
- Contacts fitting all housing styles ensures versatility and minimizes stock values

## TARGET MARKETS / APPLICATIONS

- Industrial control & equipment
- Business & retail equipment

## TECHNICAL INFORMATION

- Cable Termination: Mates with 0.62mm square or round pins as short as 5mm
- Cable type: FCC/ FPC
- Height of housing: 3.8mm for single row and 6.34mm for double row
- Gold or tin plating
- Accommodated cable thickness: 0.3 +/- 0.05mm (0.012±0.0001 inch)

## PART NUMBER

### Housing

**6XXXX**

Description	Part Number
Single row housing	67013
Double row housing	66987

Number of contacts per row
2 - 36

### Contact

**76785**

Packaging	01
15000 per cardboard reel	01
3000 per cardboard reel	11

Plating	3
0.75µm gold; Contact area, tin-lead cable area, 0.30N min/0.6N max. insertion force	3
5.00µm tin-lead; Contact area, tin-lead cable area, 0.30N min/0.6N max. insertion force	4