

OPU SERIES

0.5mm 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 their 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.

FCI has one of the broadest ranges of 0.5mm flex circuit connectors in the industry.



FEATURES & BENEFITS

- Economical higher pin count flex connector solution
- Traditional sliding actuator secures cable

TARGET MARKET / APPLICATIONS

- Brown products
- Medical
- Industrial and Instrumentation
- Printer
- Car multi media devices
- Mobile device



TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top and bottom options
- Height: 2.0mm
- Lead free with gold plating
- Halogen free
- Accommodated cable thickness: 0.3mm

PART NUMBERS

Number of Positions Available	Part Number
32,34,36,40,45,50	Top Side Contact 62684-xx2100AHLF*
55,57	Top Side Contact 62684-xx21N0AHLF*
40,45,50	Bottom Side Contact 62684-xx1100AHLF*
32,38,55,57	Bottom Side Contact 62684-xx11N0AHLF*

*xx – No. of contacts

FFCOPU0713EA4

SFVE SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Front side flip type actuator makes cable application easy and error free

TARGET MARKET / APPLICATIONS

- Car multimedia devices
- Brown products
- Medical
- Industrial and Instrumentation

TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top
- Height: 1.2mm
- Lead-free with gold plating
- Accommodated cable thickness: 0.2mm

PART NUMBERS

Number of Positions Available	Part Numbers
18,20,24,28,30	10054365-xx2110ELF*

*xx – No. of contacts

SFVL SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Very low profile for maximum space savings
- Back side flip actuator design makes cable insertion easy
- Cable locking feature provides high retention force

TARGET MARKET / APPLICATIONS

- Mobile phone
- Small display
- Touch pad
- Medical
- Industrial and Instrumentation
- Printer
- Car multimedia device
- Mobile device

TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top and bottom options
- Height: 0.9mm
- Lead free with gold plating
- Halogen free
- Accommodated cable thickness: 0.2mm

PART NUMBERS

Top Side Contact

59453 - **XX1** **21** **10** **E** **C** **H** **LF***

Number Of Positions Available
4, 5, 6, 8

Solder Tail length	
0.4 mm	C
0.8 mm	D

Bottom Side Contact

59453 - **XX1** **11** **10** **D** **C** **H** **LF***

Number Of Positions Available
4, 5, 6, 8

Solder Tail length	
0.4 mm	C
0.8 mm	D

*xx – No. of contacts

SFV-R SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Versatile, economical connector system with uses in many applications
- Traditional sliding actuator secures cable

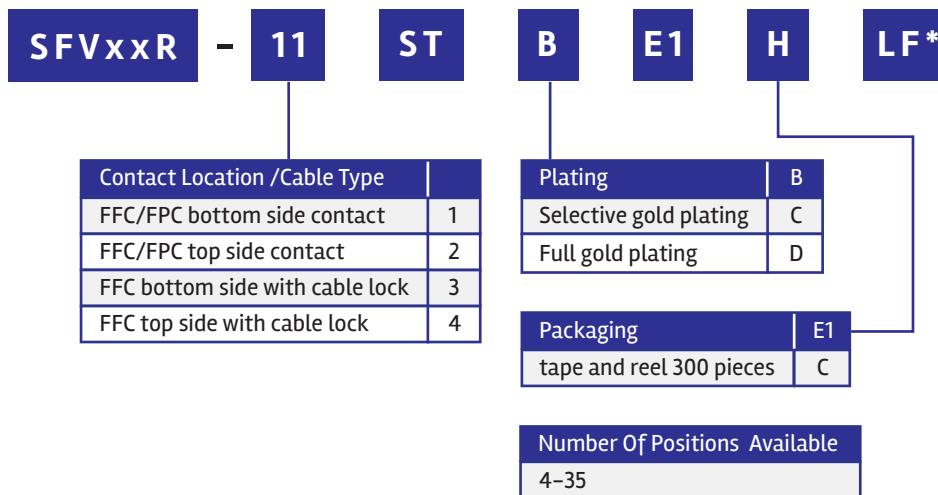
TARGET MARKET / APPLICATIONS

- Mobile phone
- Brown products
- Medical
- Industrial and Instrumentation
- Printer
- Car multimedia device
- Mobile device

TECHNICAL INFORMATION

- Orientation: Right angle
- Cable termination: ZIF with prehold
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top and bottom options
- Height: 1.8mm
- Available in lead-free matte tin and gold plating option
- Optional cable lock
- Halogen free

PART NUMBERS



*xx - No. of contacts

SFV-S SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Economical vertical ZIF flex cable connector
- Traditional sliding actuator secures cable

TARGET MARKET / APPLICATIONS

- Brown products
- Medical
- Industrial and Instrumentation
- Printer
- Car multimedia device
- Mobile device



TECHNICAL INFORMATION

- Orientation: Vertical
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: N/A
- Height: 4.1mm
- Lead free with gold plating

PART NUMBERS

Number of Positions Available	Part Number
8, 12, 16, 20, 21, 22, 23, 24, 25, 26, 30, 32, 33	62674-xx1121ALF*

*xx – No. of contacts

FFCSFVS0713EA4

VHC SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Front side flip type actuator makes cable application easy and error free
- High pin count and robust design

TARGET MARKET / APPLICATIONS

- Car multimedia devices
- Brown Products
- Industrial Control
- Medical

TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top
- Height: 1.2mm
- Lead-free with gold plating
- Accommodated cable thickness: 0.2mm

PART NUMBERS

Number of Positions Available	Part Number
35, 50, 60, 70	10085901-xx15ELF*

*xx – No. of contacts

FFCVHC071BEA4

VLK SERIES

0.5mm Pitch

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FEATURES & BENEFITS

- Front side flip actuator makes cable application easy and error free
- High pin count and good operability
- Higher retention design incurs cable stays in place

TARGET MARKET / APPLICATIONS

- Brown products
- Medical
- Industrial and Instrumentation
- Personal computer
- Car multimedia system
- Mobile device

TECHNICAL INFORMATION

- Orientation: Right Angle
- Cable termination: ZIF
- Cable type: FFC/FPC
- Board termination: Surface mount
- Contact location: Bottom
- Height: 1.3mm
- Lead-free with gold plating
- Halogen free
- Accommodated cable thickness: 0.3mm

PART NUMBERS

Number of Positions Available	Part Numbers
34, 45, 60	10076529-xx105EHLF*

*xx – No. of contacts

FFCVLK073EA4

VLL SERIES

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FEATURES & BENEFITS

- Back side flip type actuator makes cable application easy
- Innovative housing design provides visual confirmation
- Higher retention design ensures cables stay in place

TARGET MARKETS / APPLICATIONS

- Mobile phone
- Brown products
- Wireless customer
- Medical
- Industrial and Instrumentation
- Printer
- Car multimedia
- Mobile devices



TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Bottom
- Height: 1.2mm
- Lead-free with gold plating
- Halogen free
- Accommodated cable thickness: 0.3mm

PART NUMBER

Number of Positions Available	Part Number
8, 10, 11, 12, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30	10051922-xx10EHLF*

*xx – No. of contacts

FFCVL0713EA4

VLP SERIES

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FEATURES & BENEFITS

- Back side flip type actuator makes cable application easy
- Very low profile for maximum space savings
- Cable locking feature provides high retention force

TARGET MARKETS / APPLICATIONS

- Mobile phone
- Small display
- Touch pad
- Medical
- Industrial and Instrumentation
- Personal computer
- Car multimedia
- Mobile devices



TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FPC
- Board Termination: Surface mount
- Contact location: Bottom
- Height: 0.7mm
- Lead free with gold plating
- Halogen free
- Accommodated cable thickness: 0.12mm

PART NUMBER

Number of Positions Available	Part Number
4, 8, 10	10062827-xx10EDLF*

*xx – No. of contacts

FFVLP0713EA4