

## **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

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



- 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*



# **SFVE SERIES**

0.5mm Pitch

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#### **FEATURES & BENEFITS**

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

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



- 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*



# **SFVL SERIES**

0.5mm Pitch

#### **OVERVIEW**

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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

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

### SFVL SERIES

## **TECHNICAL INFORMATION**

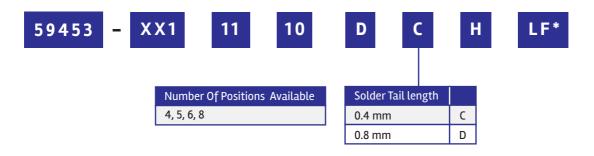
- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Top and bottom options
- Height: 0.9mm
- Lead free with gold plating
- Halogen free
- Accommodated cable thickness: 0.2mm

#### **PART NUMBERS**

#### **Top Side Contact**



#### **Bottom Side Contact**



\*xx - No. of contacts

#### Disclaimer

Please note that the above information is subject to change without notice.



# **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

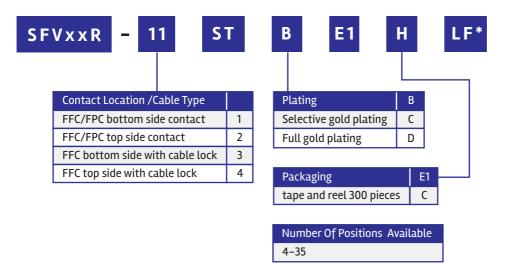
- Mobile phone
- Brown products
- Medical
- Industrial and Instrumentation
- Printer
- Car multimedia device
- Mobile device

### SFVR SERIES

## **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

FFCSFVR0713EA4



# **SFV-S SERIES**

0.5mm Pitch

#### **OVERVIEW**

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#### **FEATURES & BENEFITS**

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

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



- 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*



# **VHC SERIES**

0.5mm Pitch

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



#### **FEATURES & BENEFITS**

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

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



- 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*



# **VLK SERIES**

0.5mm Pitch

#### **OVERVIEW**

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



#### **FEATURES & BENEFITS**

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

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



- 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*



# **VLL SERIES**

0.5mm Pitch

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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

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

### VLL SERIES

### **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*



## **VLP SERIES**

0.5mm Pitch

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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

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

### VLP SERIES

## **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*

### **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

### FCI / Amphenol:

62684-451100ALF 62684-452100ALF 62674-081121ALF 62684-502100ALF 10051922-1410ELF 62684-401100ALF 10051922-2410ELF 62684-402100ALF 62684-342100ALF 62684-322100ALF 62674-161121ALF 10051922-1010ELF 10051922-2010ELF 10051922-3010ELF 62684-501100ALF 62674-121121ALF 10051922-1510ELF 10051922-2610ELF 62674-331121ALF 62674-261121ALF 62674-201121ALF 10051922-2810ELF 62674-241121ALF 10051922-1810ELF 10051922-1110ELF 62674-301121ALF 62674-251121ALF 62674-211121ALF 62674-321121ALF 10051922-1210ELF 62684-362100ALF 10042867-45MB10ELF 62674-241141ALF 59453-061110EDHLF 10051922-1610ELF 10085901-6015ELF 59453-081110EDHLF 59453-082110EDHLF 59453-091110EDHLF 62684-5511N0ALF 10062827-0810EDLF 62684-321100ALF 59453-051110EDHLF 10051922-0810EHLF 10051922-1010EHLF 10051922-1210EHLF 10051922-1410EHLF 10051922-1810EHLF 10051922-2410EHLF 10051922-3010EHLF 59453-052110EDHLF SFV4R-4STBE1HLF SFV8R-1STE1HLF SFV20R-1STE1HLF 62684-5521N0ALF 10051922-0810ELF 10051922-2210ELF 10062827-1010EDLF 10085901-60115ELF 59453-041110EDHLF 59453-042110EDHLF 59453-041110ECHLF 59453-042110ECHLF 59453-051110ECHLF 59453-052110ECHLF 59453-061110ECHLF 59453-062110ECHLF 59453-062110EDHLF 59453-071110ECHLF 59453-071110EDHLF 59453-081110ECHLF 59453-082110ECHLF 59453-091110ECHLF 59453-121110ECHLF 59453-131110ECHLF 59453-131110EDHLF SFV10R-1STE1HLF SFV28R-1STE1HLF SFV30R-1STE1HLF SFV6R-2STE1HLF SFV10R-3STE1HLF 59453-121110EDHLF SFV21R-2STBE1HLF SFV5R-3STE1HLF SFV16R-3STE1HLF SFV13R-3STBE1HLF SFV8R-3STE1HLF SFV8R-4STE1HLF SFV12R-3STBE1HLF SFV32R-4STE1HLF SFV30R-4STBE1HLF SFV25R-4STBE1HLF SFV34R-4STBE1HLF SFV20R-4STE1HLF SFV33R-2STBE1HLF SFV11R-2STBE1HLF SFV7R-3STE1HLF SFV14R-4STBE1HLF SFV21R-3STBE1HLF SFV35R-3STBE1HLF