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▶ ELECTRONICS

CONNECTORS FOR FLEXIBLE CIRCUITRY

FFC/FPC/CIC

FCI: SETTING THE STANDARD FOR CONNECTORS

With operations in 30 countries, FCI is a leading manufacturer of connectors.

Our 11,900 employees are committed to providing customers with high-quality, innovative products for a wide range of consumer and industrial applications.

INTRODUCTION

You can count on FCI, as a leader in flex circuit connectors, for the most innovative and complete range of products in the industry. FCI offers products in ZIF (zero insertion force) and non-ZIF, 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 0.3mm 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.

0.3MM PITCH

| | |
|--------------|---|
| SFY Series | 5 |
| SFYL Series | 5 |
| YLL-D Series | 6 |
| YLL-U Series | 6 |

0.4MM PITCH

| | |
|------------|---|
| GLH Series | 6 |
|------------|---|

0.5MM PITCH

| | |
|--------------|----|
| OPU Series | 7 |
| SFVA Series | 7 |
| SFVE Series | 8 |
| SFVL Series | 8 |
| SFV-R Series | 9 |
| SFV-S Series | 9 |
| VHC Series | 10 |
| VLH Series | 10 |
| VLK Series | 11 |
| VLL Series | 11 |
| VLP Series | 12 |

0.8MM PITCH

| | |
|------------|----|
| SFR Series | 12 |
|------------|----|

1.0MM PITCH

| | |
|------------|----|
| HFW Series | 13 |
| HLW Series | 13 |
| SFW Series | 14 |
| SLW Series | 15 |

1.25MM PITCH

| | |
|--------------|----|
| SLD-R Series | 16 |
| SLD-S Series | 16 |
| SLP-R Series | 17 |
| SLP-S Series | 17 |

2.54MM PITCH

| | |
|----------|----|
| Clincher | 18 |
| Duflex | 18 |

SFY SERIES - 62789



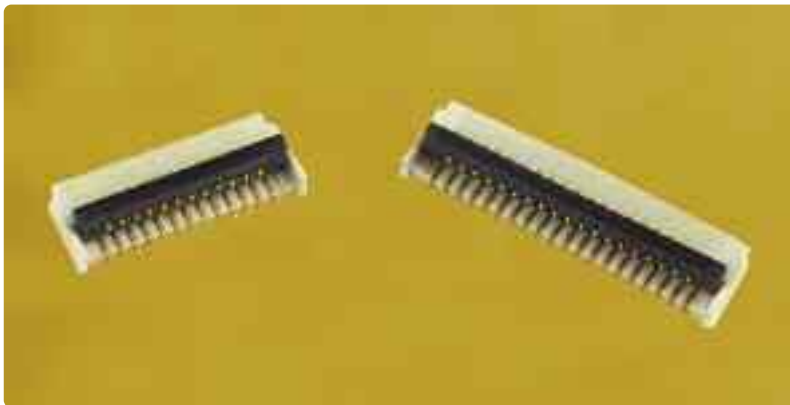
- Orientation: Right Angle
- Cable termination: Non-ZIF (LIF)
- Cable type: FPC
- Board termination: Surface mount
- Contact location: Bottom
- Height: 2.0mm
- Lead free with gold plating
- Accommodated cable thickness: 0.2mm

- Front side flip type actuator makes cable application easy and error free
- Economical fine pitch flex connector

- Application: DSC / DVC, brown products, wireless customer premises equipment and mobile device

| Part Number | Number of Positions Available |
|------------------|-------------------------------|
| 62789-xx1111ALF* | 45,51,57,67 |

SFYL SERIES – 10013057, 10017251



- Orientation: Right Angle
- Cable termination: Non-ZIF (LIF)
- Cable type: FPC
- Board termination: Surface mount
- Contact location: Top and bottom options
- Height: 1.2mm
- Lead free with gold plating
- Accommodated cable thickness: 0.2mm

- Front side flip type actuator makes cable application easy and error free
- Very low profile for maximum space savings

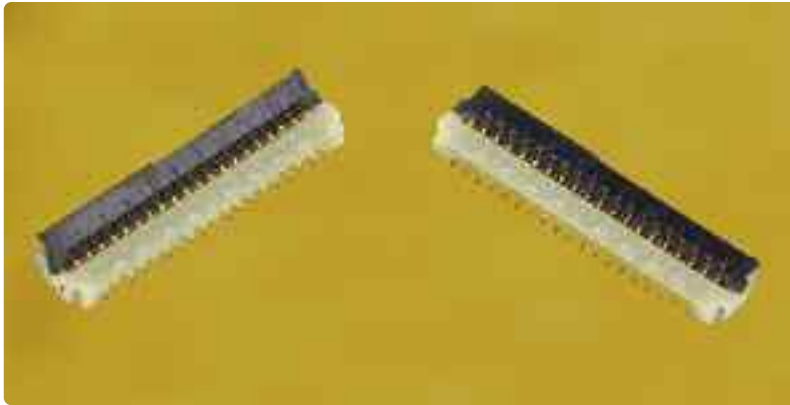
- Application: Mobile phone, brown products, wireless customer premises equipment and mobile device

| Part Number | Number of Positions Available |
|---------------------|----------------------------------|
| Top Side Contact | |
| 10017251-xx2240ELF* | 11,15,19,23,25,27,31,39,41,45,51 |
| Bottom Side Contact | |
| 10013057-xx1200ELF* | 17,21,25,29,31,35,45 |

*xx - Number of Contacts

For all products featured in this catalogue, you can find all the product details like customer drawings, product specifications etc on our dedicated Flex Connector website.

YLL-D SERIES - 10061122



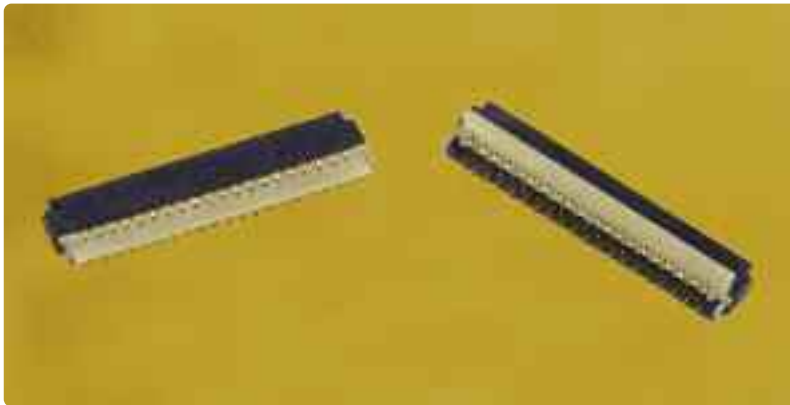
| Part Number | Number of Positions Available |
|---------------------|--|
| 10061122-xx1110ELF* | 13,15,17,21,23,25,29,33,35, 39,41,43,45 |

- Orientation: Right Angle
- Cable termination: ZIF
- Cable type: FPC
- Board termination: Surface mount
- Contact location: Bottom
- Height: 0.9mm
- Lead free with gold plating
- Optional Halogen free type
- Accommodated cable thickness: 0.2mm

- Front side flip type actuator makes cable application easy and error free
- Very low profile for maximum space savings

- Application: Mobile phone, brown products, wireless customer premises equipment and mobile device

YLL-V SERIES - 10064555



| Part Number | Number of Positions Available |
|---------------------|----------------------------------|
| 10064555-xx2110ELF* | 15,21,23,25,27,31,33,35,37,39,41 |

- Orientation: Right Angle
- Cable termination: Non-ZIF (LIF)
- Cable type: FPC
- Board termination: Surface mount
- Contact location: Top
- Height: 0.9mm
- Lead free with gold plating
- Accommodated cable thickness: 0.2mm

- Front side flip type actuator makes cable application easy and error free
- Very low profile for maximum space savings

- Application: Mobile phone, brown products, wireless customer premises equipment and mobile device

GLH SERIES - 10051806



| Part Number | Number of Positions Available |
|-------------------|-------------------------------|
| 10051806-xx15ELF* | 57, 60 |

- 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
- Accommodated cable thickness: 0.2mm

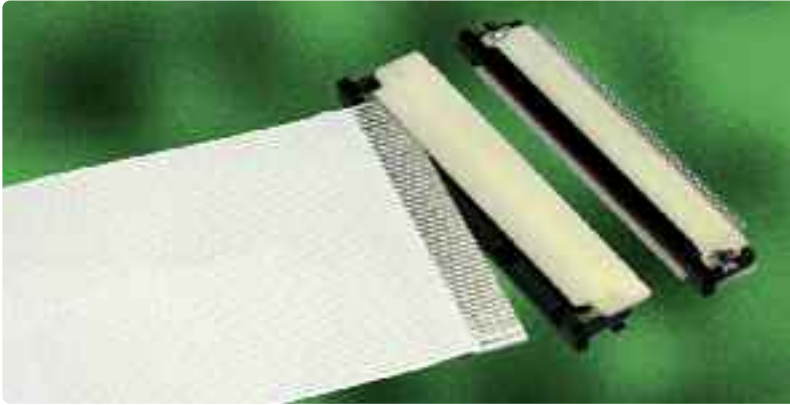
- Front side flip type actuator makes cable application easy and error free
- Very low profile for maximum space savings

- Application: Car multimedia device, PDA, Digital still camera/ Digital video camera and CD/ DVD drive

*xx - Number of Contacts

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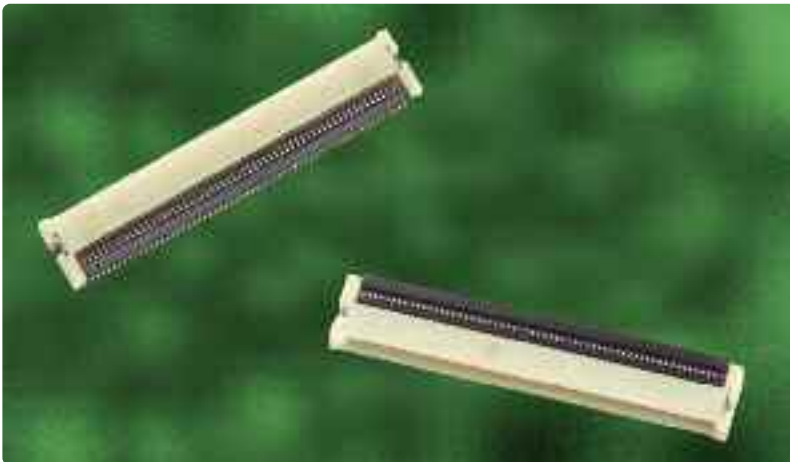
OPU SERIES - 62684



- 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
 - Optional Halogen free type
 - Accommodated cable thickness: 0.3mm
- Economical higher pin count flex connector solution
 - Traditional sliding actuator secures cable
- Application: Brown products, Medical, Industrial and Instrumentation, printer, car multi media devices and mobile device

| Part Number | Number of Positions Available |
|---------------------|-------------------------------|
| Top Side Contact | |
| 62684-xx2100ALF* | 32,34,36,40,45,50 |
| 62684-xx21N0ALF* | 55,57 |
| Bottom Side Contact | |
| 62684-xx1100ALF* | 40,45,50 |
| 62684-xx11N0ALF* | 55,57 |

SFVA SERIES - 10014265



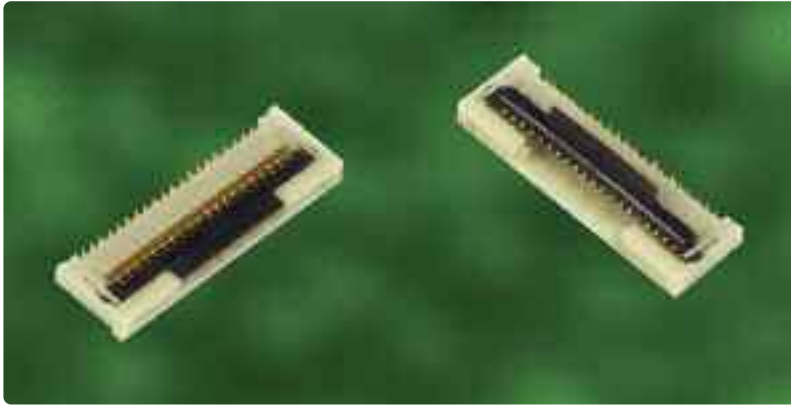
- Orientation: Right Angle
 - Cable termination: Non-ZIF
 - Cable type: FFC/FPC
 - Board termination: Surface mount
 - Contact location: Dual contact
 - Height: 2.0mm
 - Lead free with gold plating
 - Accommodated cable thickness: 0.3mm
- Very compact design saves space on the printed circuit board
 - Back side flip actuator design makes cable insertion easy
- Application: Car multimedia devices, brown products, Medical, Industrial and Instrumentation

| Part Number | Number of Positions Available |
|---------------------|-------------------------------|
| 10014265-609100ALF* | 60 |

*xx - Number of Contacts

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SFVE SERIES - 10054365



- 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

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

■ Application: Car multimedia devices, brown products, Medical, Industrial and Instrumentation

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

0.5mm Pitch

SFVL SERIES - 59453



- 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
- Optional Halogen free type
- Accommodated cable thickness: 0.2mm

■ Very low profile for maximum space savings

■ Back side flip actuator design makes cable insertion easy

■ Cable locking feature provides high retention force

■ Application: Mobile phone, small display, touch pad, Medical, Industrial and Instrumentation, printer, car multimedia devices and mobile device

| Part Number | Number of Positions Available |
|--|-------------------------------|
| Top Side Contact 59453-xx2110EDLF* | 4,5,6,8 |
| Bottom Side Contact 59453-xx1110EDLF* | 4,5,6,7,8,9,12,13 |

*xx - Number of Contacts

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SFV-R SERIES

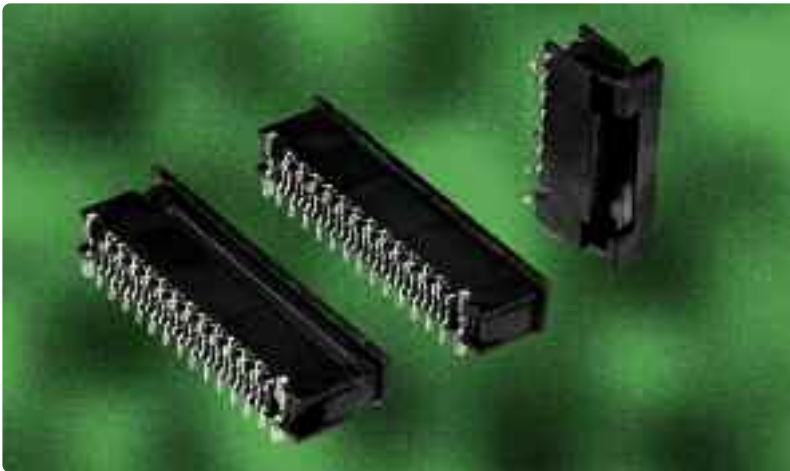


- ▀ Orientation: Right Angle
 - ▀ Cable termination: ZIF with prehold
 - ▀ Cable type: FFC/FPC
 - ▀ Board termination: Surface mount
 - ▀ Contact location: Top and bottom options
 - ▀ Height: 1.8mm
 - ▀ Available in lead free matte tin and gold plating option
 - ▀ Optional cable lock
- ▀ Versatile, economical connector system with uses in many applications
 - ▀ Traditional sliding actuator secures cable
- ▀ Application: Mobile phone, brown products, Medical, Industrial and Instrumentation, printer, car multimedia devices and mobile device

| Part Number | Number of Positions Available |
|--|--|
| SFVxxR-1STBE1LF* | 4-35 |
| Contact Location/Cable Type 1-FFC/FPC bottom side contact 2-FFC/FPC top side contact 3-FPC bottom side with cable lock 4-FPC top side with cable lock | Packaging E1-tape and reel 3000 pieces |
| Plating A: Selective gold plating B: Full gold plating | |

0.5mm Pitch

SFV-S SERIES - 62674



- ▀ Orientation: Vertical
 - ▀ Cable termination: ZIF
 - ▀ Cable type: FFC/FPC
 - ▀ Board termination: Surface mount
 - ▀ Contact location: Vertical
 - ▀ Height: 4.1mm
 - ▀ Lead free with gold plating
- ▀ Economical vertical ZIF flex cable connector
 - ▀ Traditional sliding actuator secures cable
- ▀ Application: Brown products, Medical, Industrial and Instrumentation, printer, car multimedia devices and mobile device

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

*xx - Number of Contacts

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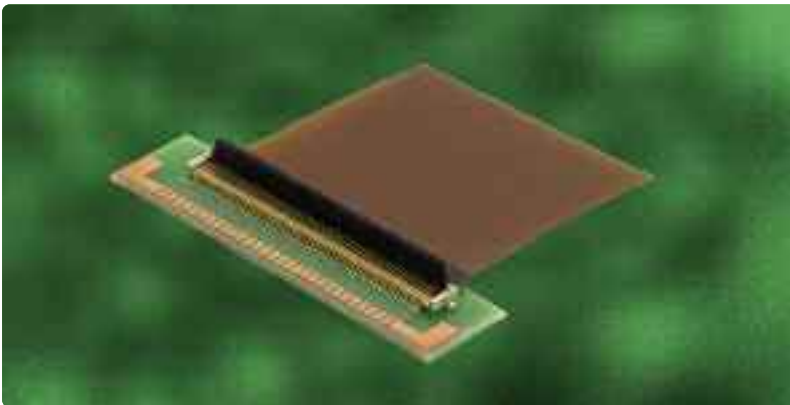
VHC SERIES - 10085901



| Part Number | Number of Positions Available |
|-------------------|-------------------------------|
| 10085901-xx15ELF* | 60 |

- ▀ Orientation: Right Angle
 - ▀ Cable termination: ZIF
 - ▀ Cable type: FFC/FPC
 - ▀ Board termination: Surface mount
 - ▀ Contact location: Bottom
 - ▀ Height: 2.0mm
 - ▀ Lead free with gold plating
 - ▀ Optional Halogen free type
 - ▀ Optional Cable lock version
 - ▀ Accommodated cable thickness: 0.3mm
- ▀ Front side flip actuator makes cable application easy and error free
 - ▀ High pin count and robust design
- ▀ Application: Car multimedia devices, brown products, Industrial control, Medical, Instrumentation and printer

VLH SERIES - 10042867



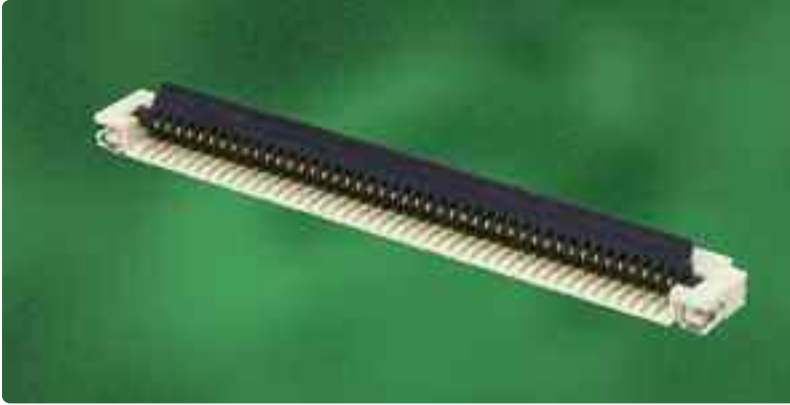
| Part Number | Number of Positions Available |
|---------------------|-------------------------------|
| 10042867-xxMB10ELF* | 40,45,50 |

- ▀ 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
 - ▀ Accommodated cable thickness: 0.3mm
- ▀ Back side flip type actuator makes cable application easy
 - ▀ Innovative housing design provides visual confirmation that flex cable is properly inserted
 - ▀ Higher retention design insures cable stays in place
- ▀ Application: Mobile phone, brown products, Medical, Industrial and Instrumentation, printer, car multimedia devices and mobile device

*xx - Number of Contacts

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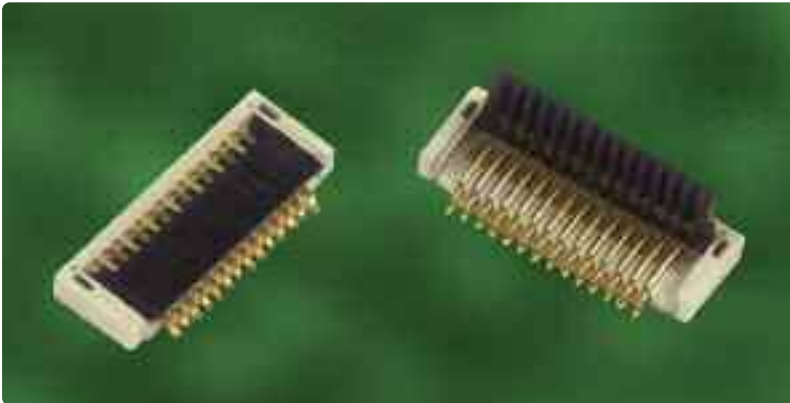
VLK SERIES - 10076529



| Part Number | Number of Positions Available |
|---------------------|-------------------------------|
| 10076529-xx105EHLF* | 35,45,60 |

- 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
- Front side flip actuator makes cable insertion easy and error free
- High pin count and good operability
- Higher retention design incurs cable stays in place
- Application: Brown products, Medical, Industrial and Instrumentation, personal computer, car multimedia system and mobile device

VLL SERIES – 10051922 (0.5MM PITCH)



| Part Number | Number of Positions Available |
|-------------------|--|
| 10051922-xx10ELF* | 8,10,11,12,14,15,16,18,20,22,24,26,28,30 |

- 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
- Accommodated cable thickness: 0.3mm
- Back side flip type actuator makes cable application easy
- Innovative housing design provides visual confirmation that flex cable is properly inserted
- Higher retention design insures cable stays in place
- Application: Mobile phone, brown products, Medical, Industrial and Instrumentation, printer, car multimedia devices and mobile device

*xx - Number of Contacts

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VLP SERIES - 10062827



- 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
- Back side flip design makes cable insertion easy and error free
- Very low profile for maximum space savings
- Cable locking feature provides high retention force
- Application: Mobile phone, small display, touch pad, Medical, Industrial and Instrumentation, personal computer, car multimedia device and mobile device

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

0.5mm Pitch

SFR SERIES (0.8MM PITCH)



- Orientation: Right Angle
- Cable termination: ZIF
- Cable type: FPC/CIC
- Board termination: Surface mount
- Contact location: Bottom
- Height: 2.5mm
- Lead free with gold plating
- Accommodated cable thickness: 0.3mm
- ZIF with prehold to insure error free processing
- Traditional sliding actuator secures cable
- Application: Brown products, Instrumentation and Medical, Industrial controls and equipment, business and retail equipment and car multimedia devices

| Part Number | Number of Positions Available |
|-------------------|-------------------------------|
| SFRxxR-1STAE1LF | 4,6,8,10,12,14,16,18,20,22,24 |
| | 26,28,30 |
| Cable Type | |
| 1-FPC | |
| 5-CIC | |

0.8mm Pitch

*xx - Number of Contacts

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HFW SERIES



- Orientation: Right angle and vertical options
- Cable termination: Non-ZIF
- Cable type: FFC/FPC/CIC
- Board termination: Surface mount
- Contact location: Right angle and vertical options
- Height: 1.9mm right angle, 5.3mm vertical
- Available in lead free matte tin and Gold-Flash plating option
- Versatile, economical connector system with uses in many applications
- Application: Industrial control, business & retail, instrumentation, brown products, printer, car multimedia devices and mobile device

| Part Number | | Number of Positions Available |
|--|--|---|
| HFWxxR-1STAE1HLF* | | Right angle 4-30 Vertical 4-30,32 |
| Orientation R-Right angle S-Straight (Vertical) | H-Halogen-free | Packaging Right Angle E1-tape and reel 2000 pieces Vertical E1-tape and reel 1000 pieces |
| Contact/Cable Type Right Angle 1-FFC/FPC bottom side contact 2-FFC/FPC top side contact 5-CIC bottom side contact 6-CIC top side contact | Plating (Normal: matte-tin) A-Gold-plated contact tip and tin-plated solder-tail B-Gold-flash terminals | |
| Vertical 2-FFC/FPC 6-CIC | Mounting ST-SMT STM-SMT with tab (vertical only) | |

HLW SERIES



- Orientation: Right angle and vertical options
- Cable termination: Non-ZIF
- Cable type: FFC/FPC/CIC
- Board termination: Through hole
- Contact location: Right angle and vertical options
- Height: 3.9mm right angle, 5.9mm vertical
- Lead free plating available
- Through hole alternative
- Economical connector system
- Application: Industrial control, business & retail, instrumentation, brown products, printer, car multimedia devices and mobile device

| Part Number | | Number of Positions Available |
|--|---|-------------------------------|
| HLWxxR-2C7LF* | | 4-32 |
| Orientation R-Right angle S-Straight (Vertical) | Cable Type 2-FFC/FPC 6-CIC | |

*xx - Number of Contacts

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SFW SERIES



- ▀ Orientation: Right angle and vertical options
- ▀ Cable termination: ZIF
- ▀ Cable type: FFC/FPC/CIC
- ▀ Board termination: Surface mount
- ▀ Contact location: Right angle and vertical options
- ▀ Height: 2.7mm right angle, 5.3mm vertical
- ▀ Available in lead free matte tin and Gold-Flash plating option
- ▀ Optional cable lock (Right Angle)
- ▀ Versatile, economical connector system with uses in many applications
- ▀ Traditional sliding actuator secures cable
- ▀ Application: Industrial control, business & retail, instrumentation, brown products, printer, car multimedia devices and mobile device

| Part Number | | Number of Positions Available | |
|------------------------------------|--|--|---|
| SFWxxR-1STAE1LF* | | Right angle 4-30 | |
| | | Vertical 4,5,6,8,10,11,12,14,15,16,17,18,20, 22,23,24,26,28,30 | |
| Orientation | | Plating | Packaging |
| R-right angle | | A-Gold-plated contact tip and Tin-plated solder-tail | Right Angle E1-tape and reel 2000 pieces |
| S-Straight (Vertical) | | G-Gold-plated contact tip and solder-tail | Vertical E1-tape and reel 1000 pieces |
| Contact Location/Cable Type | | Mounting | |
| Right Angle | | ST-SMT | |
| 1-FFC/FPC bottom side contact | | STM-SMT with tab (vertical only) | |
| 2-FFC/FPC top side contact | | | |
| 3-FPC bottom side with cable lock | | | |
| 4-FPC top side with cable lock | | | |
| 5-CIC bottom side contact | | | |
| 6-CIC top side contact | | | |
| 7-CIC bottom side with cable lock | | | |
| 8-CIC top side with cable lock | | | |
| Vertical | | | |
| 2-FFC/FPC | | | |
| 6-CIC | | | |

*xx - Number of Contacts

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SLW SERIES



- ▀ Orientation: Right angle and vertical options
 - ▀ Cable termination: ZIF
 - ▀ Cable type: FFC/FPC/CIC
 - ▀ Board termination: Through hole
 - ▀ Contact location: Right angle and vertical options
 - ▀ Height: 4.0mm right angle, 5.5mm vertical
 - ▀ Lead free plating available
- ▀ Versatile, economical connector system with uses in many applications
- ▀ Application: Industrial control, business & retail, instrumentation, brown products, printer, car multimedia devices and mobile device

| Part Number | | Number of Positions Available |
|-----------------------|-------------------|-------------------------------|
| SLWxxR-1C7LF* | | 4-30 |
| Orientation | Cable Type | |
| R-Right angle | 1-FFC/FPC | |
| S-Straight (Vertical) | 5-CIC | |

*xx - Number of Contacts

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SLD-R SERIES



- ▀ Orientation: Right Angle
- ▀ Cable termination: ZIF
- ▀ Cable type: FFC/FPC
- ▀ Board termination: Through hole
- ▀ Contact location: Right Angle
- ▀ Height: 7mm
- ▀ Lead free plating available
- ▀ Accommodated cable thickness: 0.3mm

- ▀ More robust design
- ▀ Traditional sliding actuator secures cable
- ▀ Application: Brown products, Instrumentation and Medical, Industrial controls & equipment and business & retail equipment

| Part Number | Number of Positions Available |
|--|-------------------------------|
| SLDxxR-1LF* | 4-20,22,24,25,26-40 |
| Terminal Type 1-Kinked terminal 2-Straight terminal | |

SLD-S SERIES



- ▀ Orientation: Vertical
- ▀ Cable termination: ZIF
- ▀ Cable type: FFC/FPC
- ▀ Board termination: Through hole
- ▀ Contact location: Vertical
- ▀ Height: 8mm
- ▀ Lead free plating available
- ▀ Accommodated cable thickness: 0.3mm

- ▀ More robust design
- ▀ Traditional sliding actuator secures cable
- ▀ Application: Brown products, Instrumentation and Medical, Industrial controls & equipment and business & retail equipment

| Part Number | Number of Positions Available |
|--|-------------------------------|
| SLDxxS-1LF* | 4-20,22-37,39,40 |
| Terminal Type 1-Kinked terminal 2-Straight terminal | |

*xx - Number of Contacts

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SLP-R SERIES



- Orientation: Right Angle
- Cable termination: ZIF
- Cable type: FPC/FPC/CIC
- Board termination: Through hole
- Contact location: Right Angle
- Height: 5mm
- Lead free plating available
- Accommodated cable thickness: 0.33mm (FPC), 0.3mm (FFC/CIC)

- Offers lower profile
- Traditional sliding actuator secures cable

- Application: Brown products, Instrumentation and Medical, Industrial controls & equipment and business & retail equipment

| Part Number | Number of Positions Available |
|-------------------|-------------------------------|
| SLPxxR-2LF* | 4-10,12-16,20 |
| Cable Type | |
| 2-FFC/FPC | |
| 5-CIC | |

SLP-S SERIES



- Orientation: Vertical
- Cable termination: ZIF
- Cable type: FFC/FPC/CIC
- Board termination: Through hole
- Contact location: Vertical
- Height: 5.5mm
- Lead free plating available
- Accommodated cable thickness: 0.33mm (FPC), 0.3mm (FFC/CIC)

- Offers lower profile
- Traditional sliding actuator secures cable

- Application: Brown products, Instrumentation and Medical, Industrial controls & equipment and business & retail equipment

| Part Number | Number of Positions Available |
|-------------------|-------------------------------|
| SLPxxS-2LF* | 4-16,20 |
| Cable Type | |
| 2-FFC/FPC | |
| 5-CIC | |

*xx - Number of Contacts

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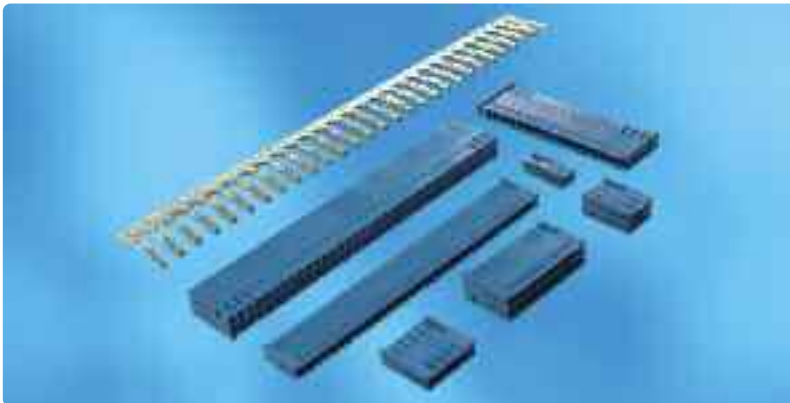
CLINCHER



- Cable termination: Mates with 0.62mm square or round pins
- Cable type: FFC/FPC/CIC
- Height: 2.54mm
- Lead free with gold or tin plating
- Accommodated cable thickness: 0.305+/-0.025mm (0.012+/-0.0001inch)
- Pre-assembled connectors reduce overall applied costs and ensure full contact protection
- Snap-shut allows a single connection operation and therefore increases assembly speed
- Lead free and RoHS complaint
- Application: Industrial control & equipment and business & retail equipment

| Part Number | Number of Positions Available |
|-----------------------------|--|
| 5 digit part number | Receptacle assembly 2-32,34 Pin assembly 2-32 |
| 65801 = receptacle assembly | |
| 66226 = pin assembly | 0 = standard version 1 = for thin film circuits (0.15mm MAX. thickness) Female receptacle only |

DUFLEX



- Cable termination: Mates with 0.62mm square or round pins as short as 5mm
- Cable type: FFC/FPC
- Height of housing: 3.8mm for single row and 6.34mm for double row
- Gold or tin plating
- Accommodated cable thickness: 0.305+/-0.025mm (0.012+/-0.0001inch)
- 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
- Application: Industrial control & equipment and business & retail equipment

| Housing | Part Number | Number of contacts per row |
|----------------------------|---------------------|----------------------------|
| | 5 digit part number | 2-36 |
| 67013 = single row housing | | |
| 66987 = double row housing | | |

| Contact | Part Number |
|---------------------|---|
| | 76785 |
| | Packaging 01 = 15000 per cardboard reel 11 = 3000 per cardboard reel |
| Plating | |
| 3 = 0.75µm gold | contact area, tin-lead cable area, 0.30N min./0.6N max. insertion force |
| 4 = 5.00µm tin-lead | contact area, tin-lead cable area, 0.30N min./0.6N max. insertion force |

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PERFORMANCE CHARACTERISTICS

| Pitch | Series | Circuitry | Electrical Current Rating (AC/DC) | Rated Rating (AC/DC) | Contact Resistance (initial) | Insulation Resistance | Dielectric Withstanding Voltage | Mechanical Durability Cycle | Operating Temperature Range |
|--------|----------|-------------|-----------------------------------|----------------------|------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------------|
| 0.3mm | SFY | FPC | 0.2A | 50V | 50mΩMax. | 50MΩMin. | AC200V | 10 | -25°C to +85°C |
| | SFYL-D | FPC | 0.2A | 50V | 50mΩMax. | 50MΩMin. | AC200V | 10 | -25°C to +85°C |
| | SFYL-U | FPC | 0.2A | 50V | 70mΩMax. | 50MΩMin. | AC200V | 10 | -25°C to +85°C |
| | YLL-D | FPC | 0.2A | 30V | 100mΩMax. | 50MΩMin. | AC90V | 10 | -55°C to +85°C |
| | YLL-U | FPC | 0.2A | 30V | 100mΩMax. | 50MΩMin. | AC90V | 10 | -55°C to +85°C |
| 0.4mm | GLH | FPC | 0.4A | 40V | 50mΩMax. | 50MΩMin. | AC120V | 20 | -55°C to +85°C |
| 0.5mm | OPU-D | FPC/FFC | 0.5A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 20 | -55°C to +85°C |
| | OPU-U | FPC/FFC | 0.5A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 20 | -55°C to +85°C |
| | SFVA | FPC/FFC | 0.5A | 50V | 70mΩMax. | 100MΩMin. | AC200V | 20 | -55°C to +85°C |
| | SFVE | FPC | 0.2A | 30V | 70mΩMax. | 50MΩMin. | AC250V | 10 | -55°C to +85°C |
| | SFVL-D | FPC | 0.4A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 10 | -55°C to +85°C |
| | SFVL-U | FPC | 0.4A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 10 | -55°C to +85°C |
| | SFV-R | FPC/FFC | 0.5A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 20 | -55°C to +85°C |
| | SFV-S | FPC/FFC | 0.5A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 20 | -55°C to +85°C |
| | VHC | FPC/FFC | 0.5A | 50V | 50mΩMax. | 50MΩMin. | AC250V | 20 | -55°C to +85°C |
| | VLH | FPC | 0.4A | 50V | 30mΩMax. | 100MΩMin. | AC250V | 20 | -55°C to +85°C |
| | VLK | FPC/FFC | 0.5A | 50V | 50mΩMax. | 50MΩMin. | AC250V | 20 | -55°C to +85°C |
| | VLL | FPC | 0.5A | 50V | 30mΩMax. | 100MΩMin. | AC250V | 20 | -55°C to +85°C |
| | VLP | FPC | 0.4A | 50V | 30mΩMax. | 100MΩMin. | AC200V | 10 | -55°C to +85°C |
| 0.8mm | SFR | FPC/CIC | 0.5A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 20 | -55°C to +85°C |
| 1.0mm | HFW-R | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 30 | -55°C to +85°C |
| | HFW-S | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 30 | -55°C to +85°C |
| | HLW-R | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 30 | -55°C to +85°C |
| | HLW-S | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 30 | -55°C to +85°C |
| | SFW-R | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 20 | -55°C to +85°C |
| | SFW-S | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 20 | -55°C to +85°C |
| | SLW-R | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 20 | -55°C to +85°C |
| | SLW-S | FPC/FFC/CIC | 1.0A | 100V | 30mΩMax. | 500MΩMin. | AC500V | 20 | -55°C to +85°C |
| 1.25mm | SLD-R | FPC/FFC | 1.0A | 200V | 30mΩMax. | 1000MΩMin. | AC500V | 20 | -55°C to +85°C |
| | SLD-S | FPC/FFC | 1.0A | 200V | 30mΩMax. | 1000MΩMin. | AC500V | 20 | -55°C to +85°C |
| | SLP-R | FPC/FFC/CIC | 1.0A | 200V | 30mΩMax. | 1000MΩMin. | AC500V | 10 | -55°C to +85°C |
| | SLP-S | FPC/FFC/CIC | 1.0A | 200V | 30mΩMax. | 1000MΩMin. | AC500V | 10 | -55°C to +85°C |
| 2.54mm | Clincher | FFC/FPC/CIC | 2.0A | 500V | 15mΩMax. | 5000MΩMin. | AC1000V | 100 | -65°C to +105°C |
| | Duflex | FFC/FPC | 3.0A | 500V | 15mΩMax. | N/A | AC1000V | 200 | -65°C to +125°C |

xx - Number of Contacts

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