

▶ 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 13,000 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, upper and down 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
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## 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
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## 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

# CONNECTOR SELECTION MATRIX

Pitch	Series	Part Number	Height (mm)	Contact Location	ZIF / Non-ZIF	Positions Available
0.3mm	SFY	62789	2.0	Bottom	Non-ZIF (FF)	45,51,57,67
	SFYL-D	10013057	1.2	Bottom	Non-ZIF (FF)	17,21,25,29,31,35,45
	SFYL-U	10017251	1.2	Top	Non-ZIF (FF)	11,15,19,23,25,27,31,39, 41,45,51
	YLL-D	10061122	0.9	Bottom	ZIF (FF)	13,15,17,21,23,25,29,33,35, 39,41,43,45
	YLL-U	10064555	0.9	Top	Non-ZIF (FF)	15,21,23,25,27,31,33,35,37, 39,41
	0.4mm	GLH	10051806	1.2	Bottom	ZIF (FF)
0.5mm	OPU-D	62684-xx1	2.0	Bottom	ZIF (SL)	40,45,50,55,57
	OPU-U	62684-xx2	2.0	Top	ZIF (SL)	32,34,36,40,45,50,55,57
	SFVA	10014265	2.0	Dual Contact	Non-ZIF (BF)	60
	SFVE	10054365	1.2	Top	ZIF (FF)	18,20,24,28,30
	SFVL-D	59453-xx1	0.9	Bottom	ZIF (BF)	4,5,6,7,8,9,12,13
	SFVL-U	59453-xx2	0.9	Top	ZIF (BF)	4,5,6,8
	SFV-R	SFVxxR	1.8	Top, Bottom	ZIF (SL)	4-35
	SFV-S	62674	4.1	N/A	ZIF (SL)	8,12,16,20,21,22,23,24,25,26, 30,32,33
	VHC	10085901	2.0	Bottom	ZIF (FF)	60
	VLH	10042867	1.3	Bottom	ZIF (BF)	40,45,50
	VLK	10076529	1.3	Bottom	ZIF (FF)	35,45,60
	VLL	10051922	1.2	Bottom	ZIF (BF)	8,10,11,12,14,15,16,18, 20,22,24,26,28,30
	VLP	10062827	0.7	Bottom	ZIF (BF)	4,8,10
	0.8mm	SFR	SFRxxR	2.5	Bottom	ZIF (SL)
1.0mm	HFW-R	HFWxxR	1.9	Top, Bottom	Non-ZIF	4-30
	HFW-S	HFWxxS	5.3	N/A	Non-ZIF	4-30,32
	HLW-R	HLWxxR	3.9	Top	Non-ZIF	4-32
	HLW-S	HLWxxS	5.9	N/A	Non-ZIF	4-32
	SFW-R	SFWxxR	2.7	Top, Bottom	ZIF (SL)	4-30
	SFW-S	SFWxxS	5.3	N/A	ZIF (SL)	4,5,6,8,10,11,12,14,15,16,17, 18,20,22,23,24,26,28,30
	SLW-R	SLWxxR	4.0	Bottom	ZIF (SL)	4-30
	SLW-S	SLWxxS	5.5	N/A	ZIF (SL)	4-30
1.25mm	SLD-R	SLDxxR	7.0	Bottom	ZIF (SL)	4-20,22,24,25,26-40
	SLD-S	SLDxxS	8.0	N/A	ZIF (SL)	4-20,22-37,39,40
	SLP-R	SLPxxR	5.0	Top	ZIF (SL)	4-10,12-16,20
	SLP-S	SLPxxS	5.5	N/A	ZIF (SL)	4-16,20
2.54mm	Clincher	65801	Standard receptacle			2-32
	Clincher	67516	Receptacle with keying latch			2-16
	Clincher	10027313	Receptacle with keying feature			6-34
	Clincher	10022753	Receptacle with keying & active latch			6-34
	Clincher	66226	Standard plug			3-14
	Duflex	76785/67013/66987	Contact and housing			

xx - Number of Contacts

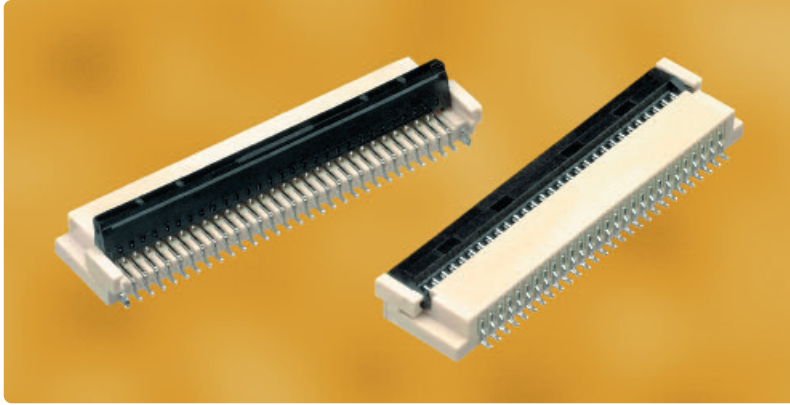
ZIF (SL): Slider action

ZIF/Non-ZIF (FF): Front side flip

ZIF/Non-ZIF (BF): Back side flip

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.

**SFY SERIES - 62789**



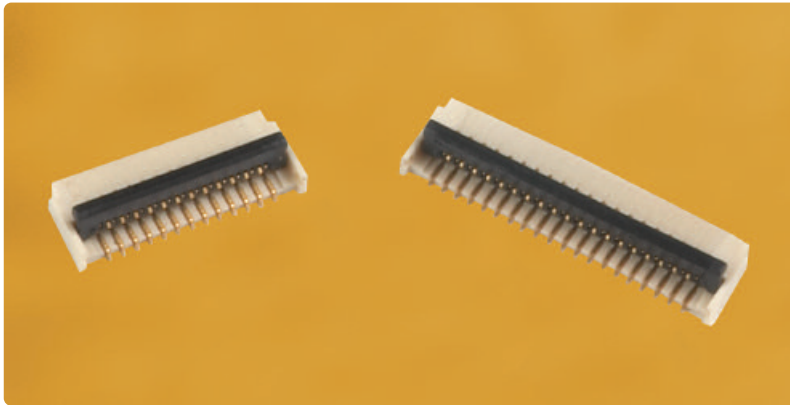
- ▀ Orientation: Right Angle
- ▀ Cable termination: Non-ZIF (LIF)
- ▀ Cable type: FPC
- ▀ Board termination: Surface mount
- ▀ Contact location: Bottom
- ▀ Height: 2.0mm
- ▀ Lead free with gold plating
- ▀ Accommodated cable thickness: 0.2mm

- ▀ 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

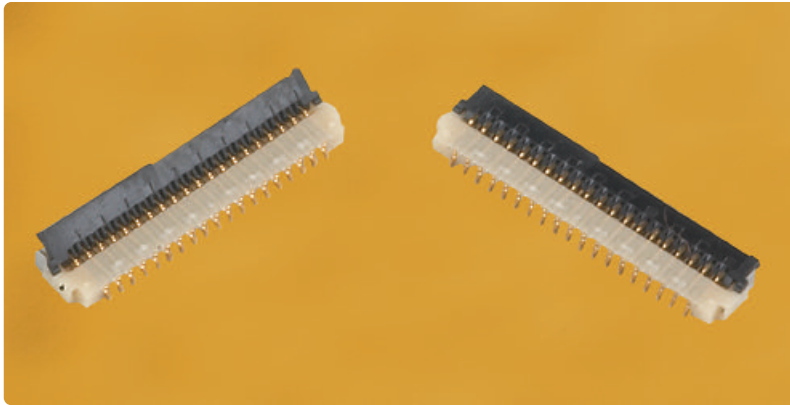
- ▀ Application: Mobile phone, brown products, wireless customer premises equipment and mobile device

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

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**YLL-D SERIES - 10061122**



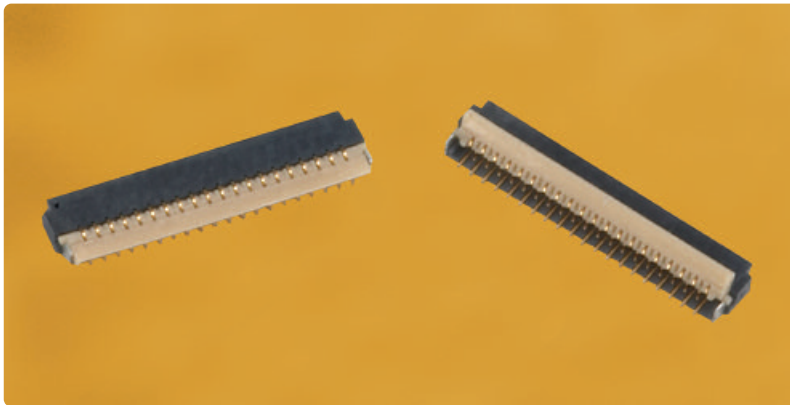
- ▀ Orientation: Right Angle
- ▀ Cable termination: ZIF
- ▀ Cable type: FPC
- ▀ Board termination: Surface mount
- ▀ Contact location: Bottom
- ▀ Height: 0.9mm
- ▀ Lead free with gold plating
- ▀ Optional Halogen free type
- ▀ Accommodated cable thickness: 0.2mm

- ▀ 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

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

**YLL-U SERIES - 10064555**



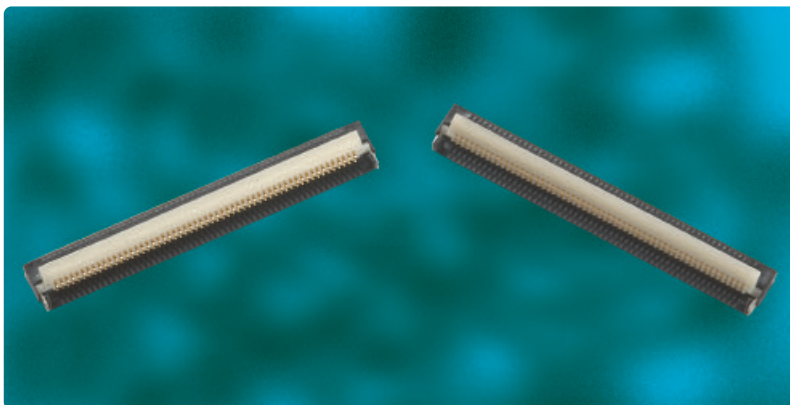
- ▀ Orientation: Right Angle
- ▀ Cable termination: Non-ZIF (LIF)
- ▀ Cable type: FPC
- ▀ Board termination: Surface mount
- ▀ Contact location: Top
- ▀ Height: 0.9mm
- ▀ Lead free with gold plating
- ▀ Accommodated cable thickness: 0.2mm

- ▀ 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

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

**GLH SERIES - 10051806**



- ▀ 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

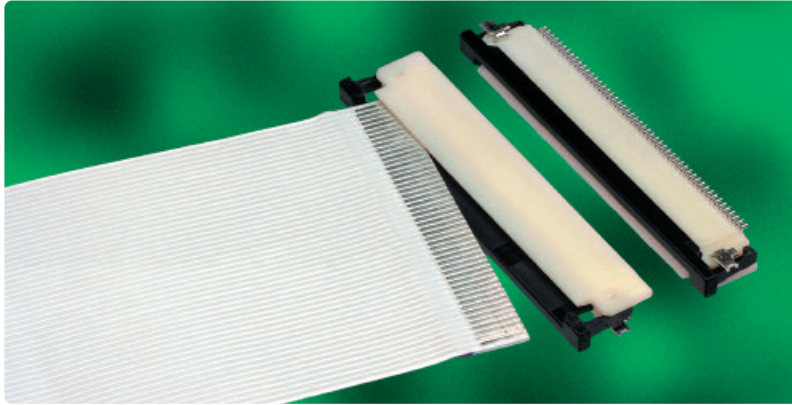
Part Number	Number of Positions Available
10051806-xx15ELF*	57, 60

\*xx - Number of Contacts

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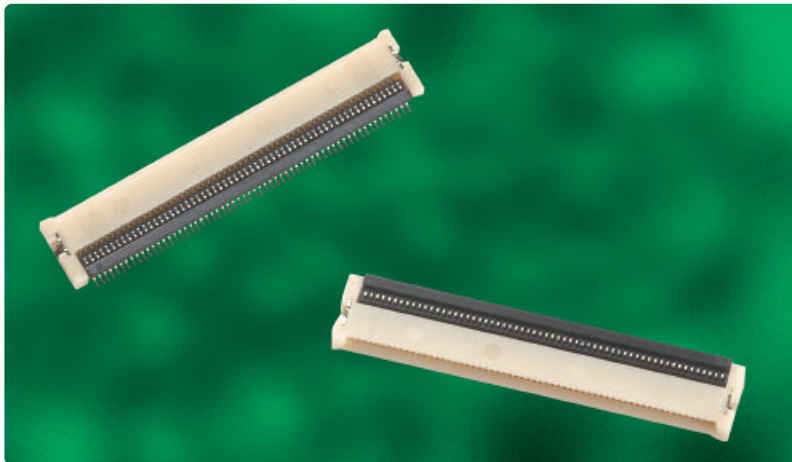
**OPU SERIES - 62684**



- ▀ 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**



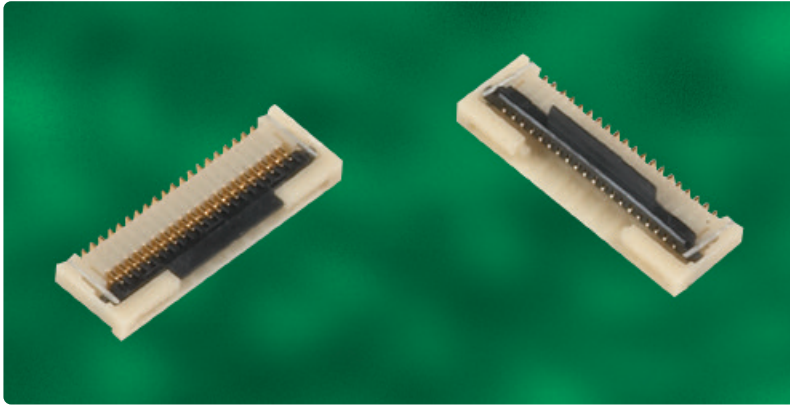
- ▀ Orientation: Right Angle
  - ▀ Cable termination: Non-ZIF
  - ▀ Cable type: FFC/FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Dual contact
  - ▀ Height: 2.0mm
  - ▀ Lead free with gold plating
  - ▀ Accommodated cable thickness: 0.3mm
- ▀ Very compact design saves space on the 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

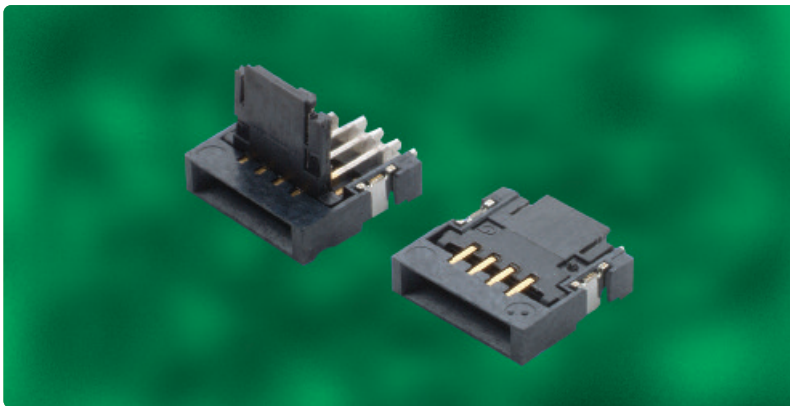
■ Front side flip type actuator makes cable application easy and error free

■ 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

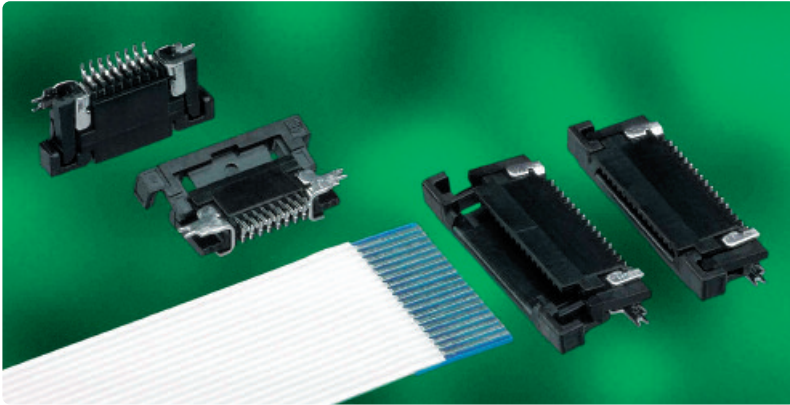
Part Number	Number of Positions Available
Top Side Contact 59453-xx2110EDLF*	4,5,6,8
Bottom Side Contact 59453-xx1110EDLF*	4,5,6,7,8,9,12,13

\*xx - Number of Contacts

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**SFV-R SERIES**

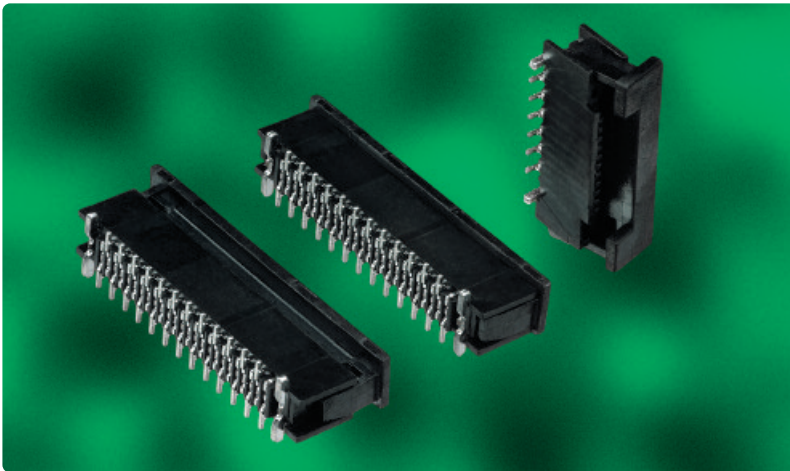


- ▀ Orientation: Right Angle
  - ▀ Cable termination: ZIF with prehold
  - ▀ Cable type: FFC/FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Top and bottom options
  - ▀ Height: 1.8mm
  - ▀ Lead free with gold plating
  - ▀ Optional cable lock
- ▀ Versatile, economical connector system 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
<b>Contact Location/Cable Type</b> 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	<b>Packaging</b> E1-tape and reel 2000 pieces

\* A: Selective gold plating    B: Full gold plating

**SFV-S SERIES - 62674**



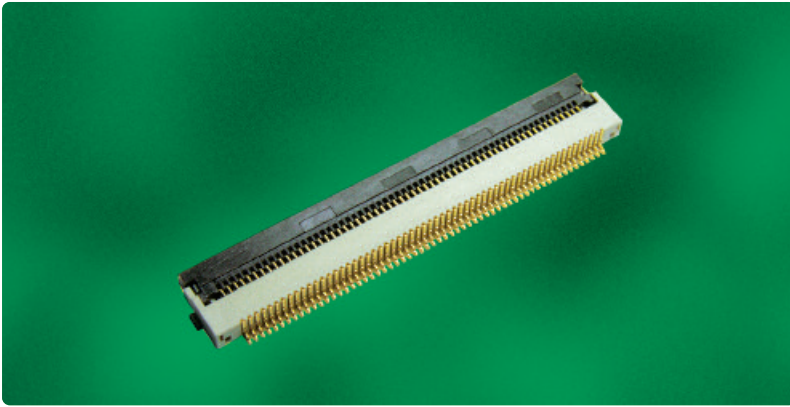
- ▀ Orientation: Vertical
  - ▀ Cable termination: ZIF
  - ▀ Cable type: FFC/FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Vertical
  - ▀ Height: 4.1mm
  - ▀ Lead free with gold plating
- ▀ Economical vertical ZIF flex cable connector
  - ▀ Traditional sliding actuator secures cable
- ▀ 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**

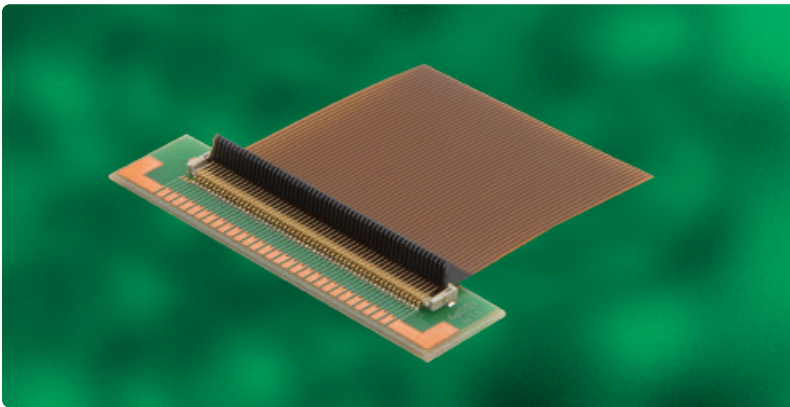


- ▀ Orientation: Right Angle
  - ▀ Cable termination: ZIF
  - ▀ Cable type: FFC/FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Bottom
  - ▀ Height: 2.0mm
  - ▀ Lead free with gold plating
  - ▀ Optional Halogen free type
  - ▀ Optional Cable lock version
  - ▀ Accommodated cable thickness: 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

Part Number	Number of Positions Available
10085901-xx15ELF*	60

0.5mm Pitch

**VLH SERIES - 10042867**



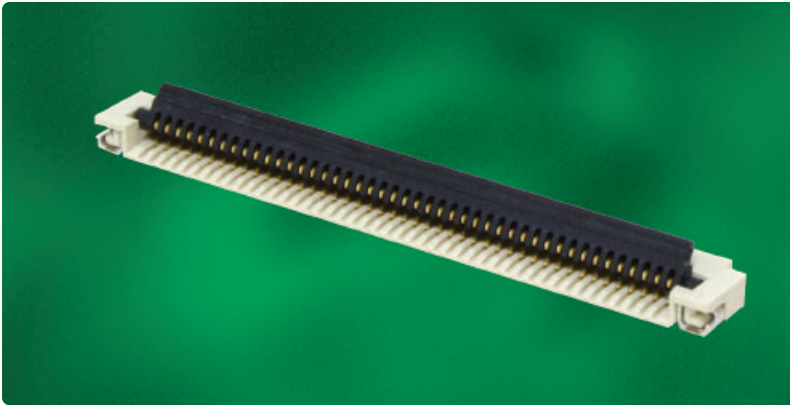
- ▀ Orientation: Right Angle
  - ▀ Cable termination: ZIF
  - ▀ Cable type: FFC/FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Bottom
  - ▀ Height: 1.3mm
  - ▀ Lead free with gold plating
  - ▀ Accommodated cable thickness: 0.3mm
- ▀ Back side flip type actuator makes cable application 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

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

\*xx - Number of Contacts

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**VLK SERIES - 10076529**

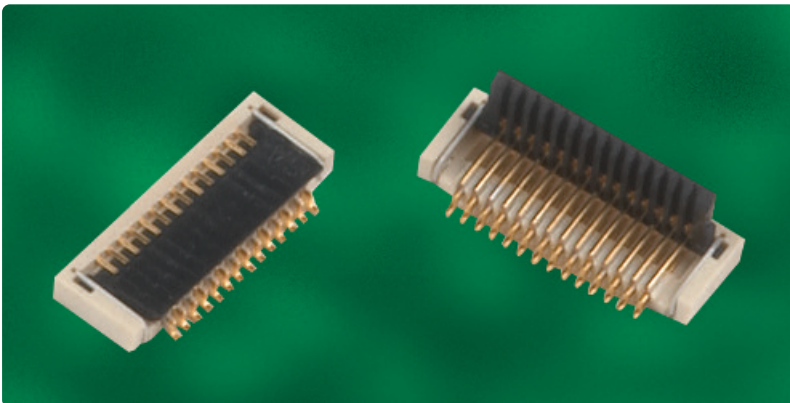


Part Number	Number of Positions Available
10076529-xx105EHLF*	35,45,60

- ▀ 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 incures cable stays in place
- ▀ Application: Brown products, Medical, Industrial and Instrumentation, personal computer, car multimedia system and mobile device

0.5mm Pitch

**VLL SERIES – 10051922 (0.5MM PITCH)**



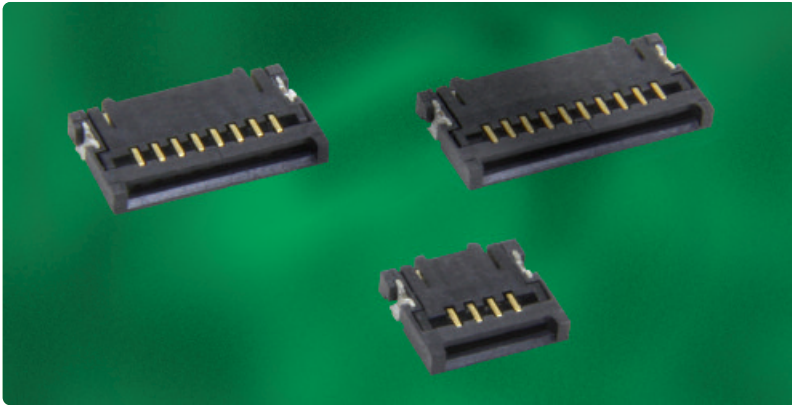
Part Number	Number of Positions Available
10051922-xx10ELF*	8,10,11,12,14,15,16,18,20,22,24,26,28,30

- ▀ 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**

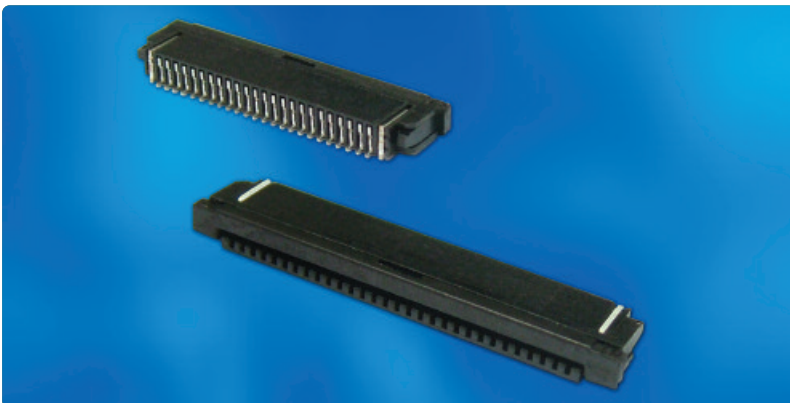


- ▀ Orientation: Right Angle
  - ▀ Cable termination: ZIF
  - ▀ Cable type: FPC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Bottom
  - ▀ Height: 0.7mm
  - ▀ Lead free with gold plating
  - ▀ Halogen free
  - ▀ Accommodated cable thickness: 0.12mm
- ▀ Back side flip design makes cable 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

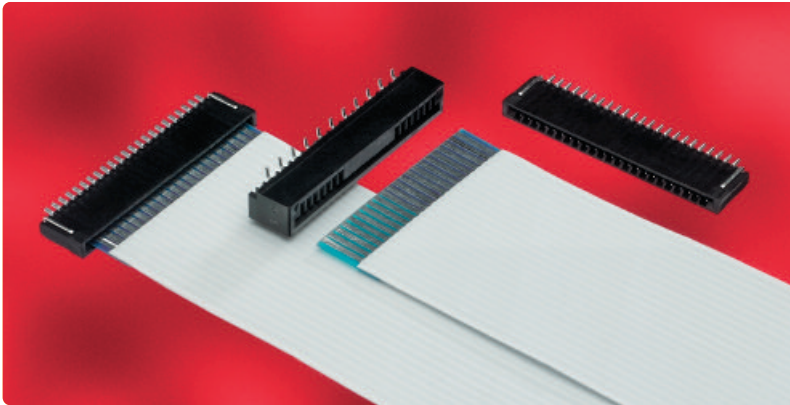
Part Number	Number of Positions Available
SFRxxR-1STAE1LF	4,6,8,10,12,14,16,18,20,22,24
	26,28,30
<b>Cable Type</b>	
1-FPC	
5-CIC	

\*xx - Number of Contacts

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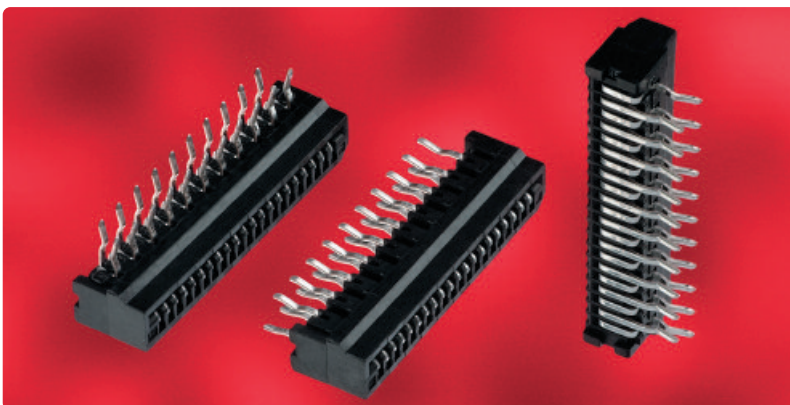
## HFW SERIES



- 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
  - 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	
HFWxxR-1STE1LF*		Right angle	4-30
		Vertical	4-30,32
<b>Orientation</b>		<b>Packaging</b>	
R-Right angle		Right Angle	
S-Straight (Vertical)		Right Angle	E1-tape and reel 2000 pieces
<b>Contact/Cable Type</b>	<b>Mounting</b>	Vertical	E1-tape and reel 1000 pieces
Right Angle	ST-SMT		
1-FFC/FPC bottom side contact	STM-SMT with tab (vertical only)		
2-FFC/FPC top side contact			
5-CIC bottom side contact			
6-CIC top side contact			
Vertical			
2-FFC/FPC			
6-CIC			

## 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

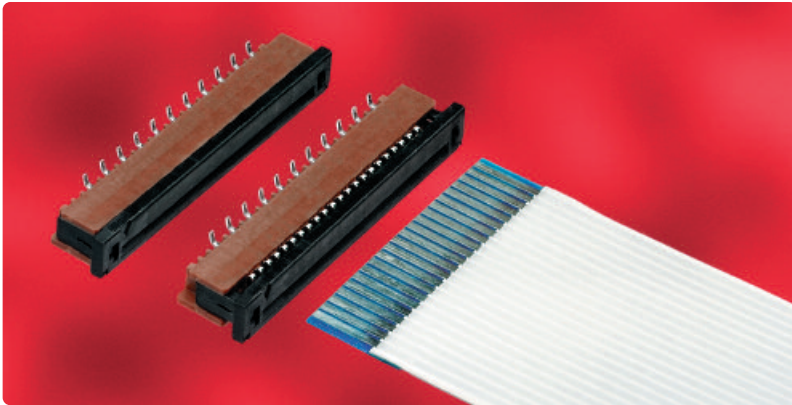
Part Number		Number of Positions Available	
HLWxxR-2C7LF*		4-32	
<b>Orientation</b>		<b>Cable Type</b>	
R-Right angle		2-FFC/FPC	
S-Straight (Vertical)		6-CIC	

\*xx - Number of Contacts

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## SFW SERIES



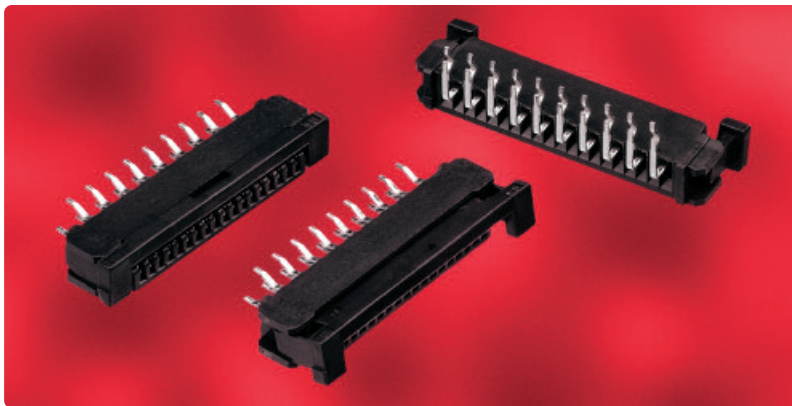
- ▀ Orientation: Right angle and vertical options
  - ▀ Cable termination: ZIF
  - ▀ Cable type: FFC/FPC/CIC
  - ▀ Board termination: Surface mount
  - ▀ Contact location: Right angle and vertical options
  - ▀ Height: 2.7mm right angle, 5.3mm vertical
  - ▀ Lead free plating available
  - ▀ Optional 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-1STE1LF*		Right angle	4-30
		Vertical	4,5,6,8,10,11,12,14,15,16,17,18,20, 22,23,24,26,28,30
<b>Orientation</b>			
	R-right angle		
	S-Straight (Vertical)		
<b>Contact Location/Cable Type</b>		<b>Mounting</b>	<b>Packaging</b>
Right Angle		ST-SMT	Right Angle
1-FFC/FPC bottom side contact		STM-SMT with tab (vertical only)	E1-tape and reel 2000 pieces
2-FFC/FPC top side contact			
3-FPC bottom side with cable lock			Vertical
4-FPC top side with cable lock			E1-tape and reel 1000 pieces
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
<b>Orientation</b>	<b>Cable Type</b>	
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
<b>Terminal Type</b>	
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
<b>Terminal Type</b>	
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
<b>Cable Type</b>	
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
<b>Cable Type</b>	
2-FFC/FPC	
5-CIC	

\*xx - Number of Contacts

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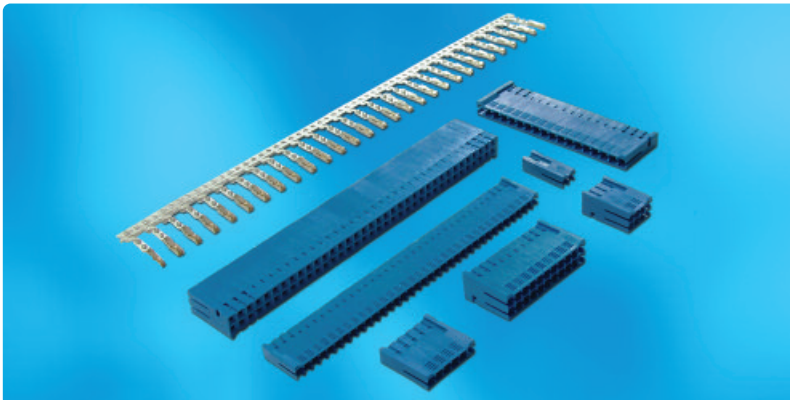
## CLINCHER



- 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 compliant
- 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	0 = standard version 1 = for thin film circuits (0.15mm MAX. thickness) Female receptacle only
66226 = pin assembly	

## 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
	<b>Packaging</b> 01 = 15000 per cardboard reel 11 = 3000 per cardboard reel
<b>Plating</b>	
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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For more information on FCI sales offices,  
headquarters, agents and local distributors,  
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