

FD19 Series 0.50/1.00mm Pitch FFC/FPC Connectors >

Versatile dual-contact FD19 Series FFC/FPC Connectors meet temperature requirements up to 150°C and come in a wide range of circuit sizes for maximum design flexibility across multiple markets and applications.



505110-XXXX
(0.50mm pitch)



2000528-XXXX
(1.00mm pitch)

ADVANTAGES AND FEATURES

Delivers secure connectivity

Dual contacts provide redundant contact points to help ensure secure connectivity when one contact point becomes unstable.

Provides easy assembly

A wide actuator and pick-and-place area help prevent slipping or misplacement of the nozzle when the connector has limited space, enabling stable pickup and accurate placement for easier, more reliable assembly.

Offers high cable retention

The connector works with both eared and non-eared cables which helps prevent improper mating and failed connections due to a clear audible lock.

Helps protect the mating area

The nickel barrier eliminates the concern for solder and flux wicking so that the solder stays at the PCB joint, improving connection reliability and reducing rework.

Eases FFC/FPC insertion

The wide frontage helps enable faster and more consistent insertion, lowering installation risks.

Meets environmental considerations

The use of low-halogen material in the connectors helps meet customer specifications that restrict halogens, reducing the risk of toxic gas release.

MARKETS AND APPLICATIONS

Appliances

AR/VR devices
Printers
Refrigerators

Automotive

Advanced driver assistance systems
Battery management systems
Cameras
Car infotainment
Car navigation controls
Driver monitoring systems
Instrument panels
LiDARs

Industrial

Drones
Robotics



Car Infotainment



Refrigerators



Drones

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SPECIFICATIONS

Reference Information

Packaging: Embossed tape and reel
Use With: FFC/FPC
Designed In: Millimeters
RoHS: Yes
Halogen free: Low halogen

Electrical

Voltage (max.): 50V
Current (max.): 0.5A per circuit
Contact Resistance (max.): 40 milliohms
Dielectric Withstanding Voltage: 125V AC
Insulation Resistance (min.): 50 Megohms

Mechanical

FFC/FPC Thickness: 0.30mm
Durability (max.): 20 cycles

Physical

Housing: LCP, UL 94V-0, beige
Actuator: PA, UL 94V-0, black
Plating:
Contact area—gold
Solder tail area—gold
Underplating—nickel
Operating Temperatures: -40 to +105 °C
or -40 to +150 °C

Circuit Size (0.50mm Pitch)

4 to 61, 64, 68, 70, 80

Circuit Size (1.00mm Pitch)

4 to 30

ORDERING INFORMATION

Series No.	Pitch (mm)	Orientation	Contact Position	Circuits	Operating Temperatures	Plating
505110-**-92	0.50	Right angle	Bottom	4 to 19	-40 to +105 °C	Gold
505110-**-91				20 to 80		
505110-**-97				4 to 19	-40 to +150 °C	
505110-**-96				20 to 80	-40 to +150 °C	
200528-0**-0	1.00			4 to 30	-40 to +105 °C	
200528-0**-1					-40 to +150 °C	

Replace asterisks (**) with circuit size.