# FFC/FPC Connectors, 0.50mm Pitch, Double Bottom Contacts

molex®

Molex's 0.50mm pitch FFC/FPC connectors with double the contacts per circuit offer the best combination of signal reliability, compactness, wide circuit size range and cable style choices of any similar version in the market

Features and Benefits

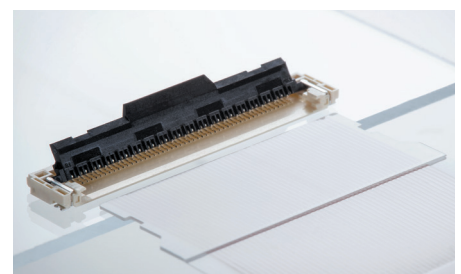|	
Contact design with two lower contacts per circuit	Ensures a clean mating interface and provides superior contact reliability
Cable ear-tab locking feature	Provides cable alignment, high retention force and easy actuation
Zero insertion force	Facilitates easy cable insertion
Wide range of circuit sizes (4-80)	Offers design flexibility
Vacuum pick-and-place area on top of housing	Provides easier board assembly and cost savings versus separate pick-and-place tape
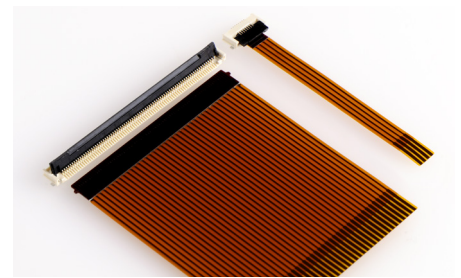
Standard Cable Type, 1.90mm Height (FD19)
(505110 Series)
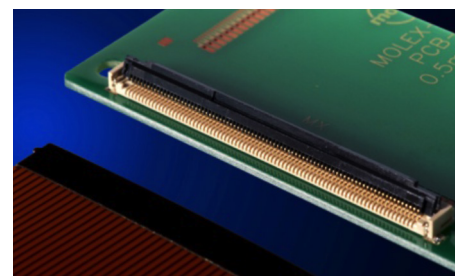
Standard Cable Type, 2.50mm Height
(502790 Series)

Applications

Automobile Infotainment
  Display Audio
  Car Navigation
Consumer
  Flat Panel TV
  Portable Game
  Personal Navigation Equipment

Datacommunications
  Optical Disk Drives
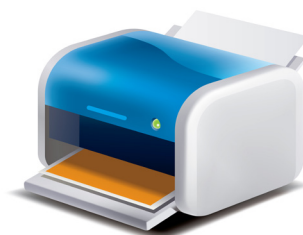 Tablet and Notebook PCs
  Printers and Copiers

Non-standard Cable Type, 2.50mm Height
(104060 Series)

Flat Panel TV

Automobile Infotainment

Notched Cable Type, 1.50mm Height
(104234 Series)

Optical Disk Drives

Printer

FFC/FPC Connectors, 0.50mm Pitch, Double Bottom Contacts

molex®

Specification

REFERENCE INFORMATION
Packaging: Embossed tape
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low Halogen

ELECTRICAL
Voltage (max.): 50V
Current (max.): 0.5A
Contact Resistance: 40 milliohms max.
Dielectric Withstanding Voltage:
    505110/502790: 125V AC (rms)
    104060/104234: 250V AC (rms)
Insulation Resistance: 50 Megohm min.

MECHANICAL
Durability (min.): 25 cycles

PHYSICAL
Housing: LCP (Beige); 104234 Series (Natural)
Actuator: Polyamide Glass Filled (Black)
Terminal: Phosphor Bronze
Fitting Nail: Phosphor Bronze

PLATING
Contact Area: Separated Gold
Solder Tail Area: Separated Gold
Underplating: Nickel
Operating Temperature:
    505110/502790: -40 to +105°C
    104060/104234: -20 to +85°C

Ordering Information

Order No.	Height	Depth	Cable Type	Circuit Size
104234-**17	1.50mm		Notched	51
505110-**92	1.90mm	5.30mm	Standard	04-19
505110-**91			Standard	20, 22, 24, 26, 28, 30, 35, 40, 45, 50, 60, 64, 68, 70, 80
502790-**91	2.50mm		Standard	30, 40, 50, 60, 64, 80
104060-**17			Non-standard	60, 80

(Replace ** with circuit size)
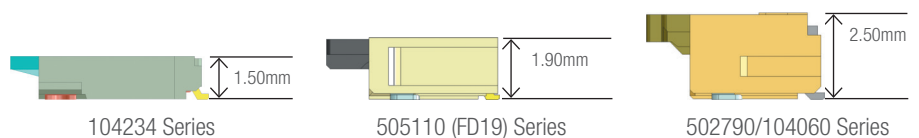
Additional Product Features

Double-Bottom-Contact Terminal Design
The double-bottom-contact terminal design (right) removes dust and contaminants better than than single-bottom-contact terminals, while providing stable redundant contact forces for secure electrical reliability.
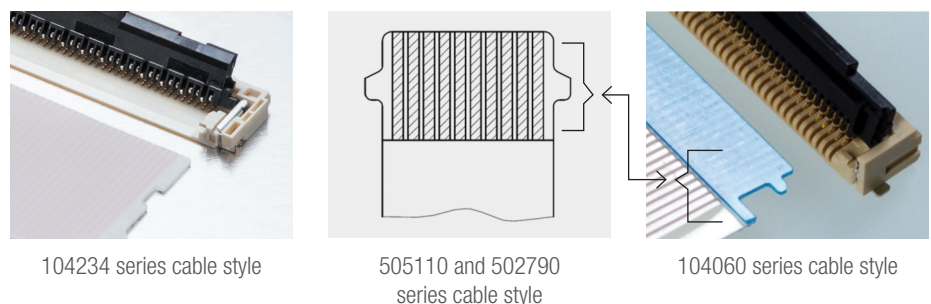
Cross Section

Long contact — — Short contact

Double-contact type

Single-contact type
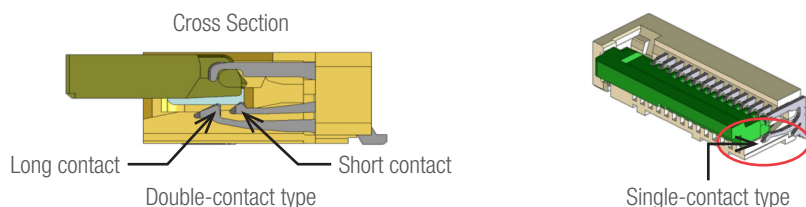
Ultra-Low-Profile Feature
Various profile heights to meet different design requirements.

1.50mm

104234 Series

1.90mm

505110 (FD19) Series

2.50mm

502790/104060 Series

Cable Locking Features
Various cable locking features to meet different design requirements.

104234 series cable style

505110 and 502790 series cable style

104060 series cable style

www.molex.com/product/smt_ffc-fpc.html

单击下面可查看定价，库存，交付和生命周期等信息

单击下面可查看定价，库存，交付和生命周期等信息