

0.50mm Pitch FFC-to-Board Connectors >

The FFC-to-Board connector system from Molex provides secure FFC contact reliability and high-speed transmission capabilities for applications such as consumer products.

ADVANTAGES AND FEATURES

Provides secure contact reliability

The positive lock helps prevent accidental un-mating and incomplete mating which ensures reliable mating assurance.

Provides secure connection

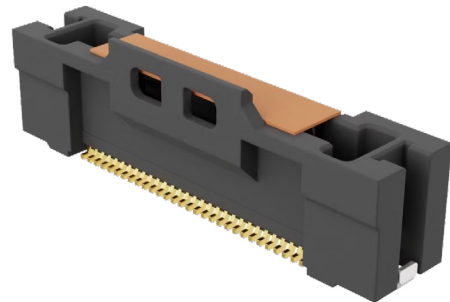
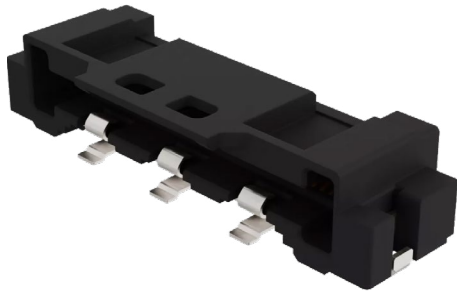
The secure jacket and cover housing design helps prevent accidental disconnection and assembly failures by mechanically securing and protecting the FFC-to-Board interface.

Provides easy assembly

The bevelled housing design within the mating area reduces insertion force, thereby facilitating efficient assembly. In addition, the Kapton tape and generous vacuum area together ensure reliable vacuum pick-and-place.

Helps accommodate high-speed signals

The grounding terminals mate with the FFC shields, which help eliminate ground discontinuities at the connector, ensuring transmission of high-speed and high-frequency signals.



MARKETS AND APPLICATIONS

Appliances

- Copiers
- Display panels
- Printers
- TVs

Wearables

- Gaming controllers
- Gaming headsets



Display Panels



Printers

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SPECIFICATIONS

Reference Information

Current: 0.50A	Insulation Resistance (min): 50 megohms
Voltage: 50V	Dielectric Strength: 250V AC
Signal Terminal Plating:	Operating Temperatures: -40 to +105°C
Gold ground terminal plating — tin	Flammability: UL 94V-0
Contact Resistance (max.): 40 milliohms	Durability: 20 cycles

ORDERING INFORMATION

Plug Jacket

Order No.	Circuits	Grounding Type
501783-3009	30, 40, 50 and 80	N/A

Plug Jacket Cover

Order No.	Circuits	Grounding Type
501784-3008	30, 40, 50 and 80	Yes
501784-3009		No

PCP Receptacles

Order No.	Circuits	Type	Grounding Type
501786-3091	30, 40, 50 and 80	Vertical	Yes
501786-3092		Vertical	No
501784-3091		Right angle	Yes
501784-3092		Right angle	No