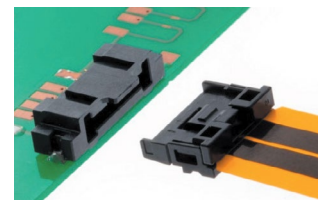


Flexi-Latch 2.00mm-Pitch FFC/FPC Connectors >

For rugged applications such as automotive lighting or industrial controls, Flexi-Latch FFC/FPC Connectors provide secure mating assurance with more space and cost savings compared to wire-to-board systems.



Flexi-Latch FPC-to-Board Connectors
505147 (left): Right-Angle PCB Connector;
505148 (right): Cable Plug Jacket

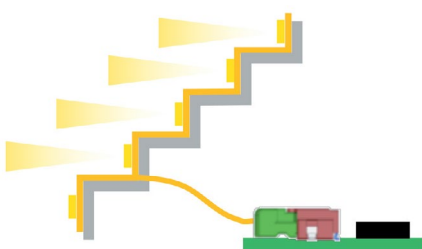
ADVANTAGES AND FEATURES

Supports easy operation

The one-piece jacket, FPC retention tabs and multiple polarizing keys help prevent incorrect cable insertion or incomplete mating.

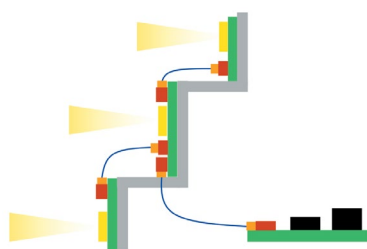
Delivers secure mating

Anti-reverse mating (poka-yoke) and the positive inertia lock with audible click helps prevent partial cable insertion for secure mating.



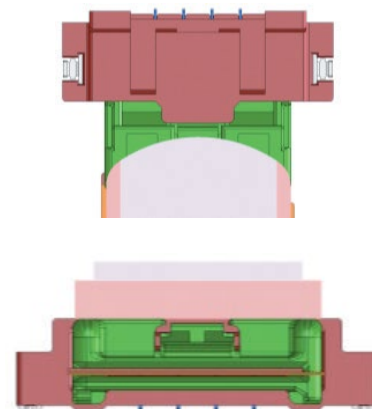
Meets automotive requirements

A cable retention force of 20N and operating temperatures ranging -40 to 125°C help prevent cable disengagement during vehicle operation, providing secure mating retention force to meet automotive shock and vibration requirements.



Provides space-savings

The low-height and narrow-width design of the connectors help save PCB space and enables multiple connectors to be used in parallel on limited PCB space.



MARKETS AND APPLICATIONS

Appliances

TVs

Automotive & Transportation

Car audio systems
Car Infotainment
Headlamps

Industrial

Gaming/Pachinko machines



Gaming/Pachinko Machines



TVs



Car Audio Systems

Flexi-Latch 2.00mm-Pitch FFC/FPC Connectors

SPECIFICATIONS

Reference Information

Packaging:

Terminals: Reel;

Housings: Bags; SMT PCB

Receptacles: Embossed tape

Designed In: Millimeters

RoHS: Yes

Halogen Free: Low halogen

Glow Wire Compliant: No

Electrical

Voltage (max.): 50V AC/DC

Current (max.): 1.5A max.

Contact Resistance (max.): 40 milliohms

Dielectric Withstanding Voltage: 250V AC
for 1 minute

Insulation Resistance (min.): 50 Megohms

Mechanical

Durability (min.): 25 cycles

FPC Retention Force (min.): 20N

Physical

Material:

Connector Housing: LCP, UL 94V-0, black

Plug Jacket Housing: PBT, UL 94V-0 black

Terminal: Copper alloy

Plating:

Contact Area—gold

Solder Tail Area—tin

Underplating—nickel

Operating Temperatures: -40 to +125°C

ORDERING INFORMATION

Order No.	Circuits	Description
505147-0290	2	Right-angle connector
505147-0390	3	Right-angle connector
505147-0490	4	Right-angle connector
505148-0208	2	Cable plug jacket
505148-0308	3	Cable plug jacket
505148-0408	4	Cable plug jacket