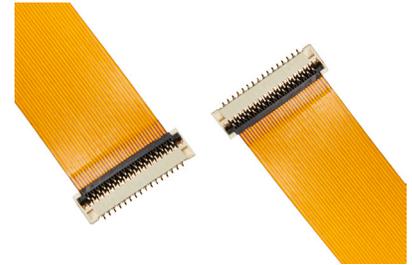


0.25mm-Pitch Premo-Flex Cable Jumpers

molex

Standard 0.25mm-Pitch Premo-Flex Jumpers mate with Molex 0.25mm-Pitch Easy-On FFC/FPC Connectors to offer reliable connectivity in a compact design for tight-packaging applications

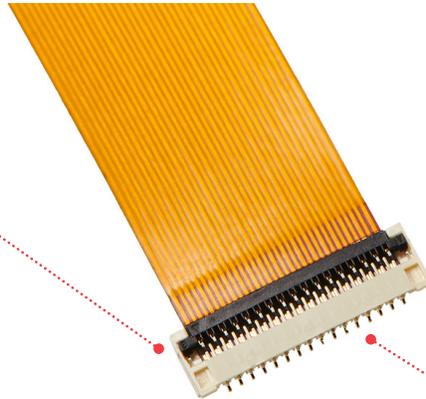


0.25mm-Pitch Premo-Flex Jumpers and Easy-On FPC Connectors

Features and Advantages

Mates with 0.25mm-Pitch Easy-On FFC/FPC Connectors (Series 502078, 503300, 503320)

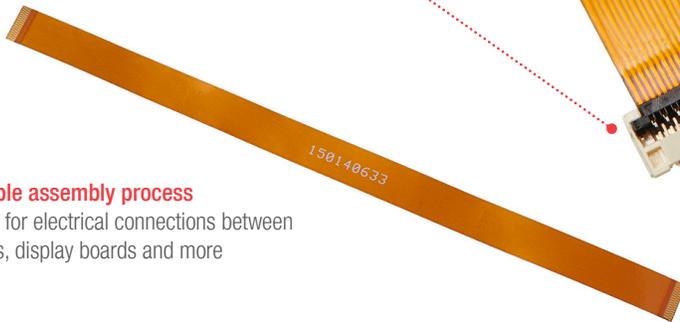
Delivers high-reliability connectivity with a fine-pitch connector. Both cable and connector can be procured from the same vendor



Multiple standard circuit sizes and lengths available
Provides design flexibility and fast availability

Simple assembly process

Ideal for electrical connections between PCBs, display boards and more



0.25mm pitch

Offers super-fine pitch for space-constrained applications

Markets and Applications

Medical

- Patient monitoring
- Surgical equipment
- Telehealth

Smart Phones and Mobile Devices

- GPS
- Tablets

Consumer

- Gaming machines
- Home security systems
- Home entertainment systems

Data/Computing

- Copiers
- Optical disk drives

Automotive

- Audio and navigation systems
- Comfort features
- Infotainment systems



Smartphones and Tablets



Patient Monitoring Device



Home Security Systems

0.25mm-Pitch Premo-Flex Cable Jumpers



Specifications

REFERENCE INFORMATION

Mates With: Easy-On FFC/FPC Connectors (Series 502078, 503300, 503320)
Designed In: Millimeters
RoHS: Yes

ELECTRICAL

Current (max.): 0.2A
Inner Conductor Resistance: 1.28 Ohms
Outer Conductor Resistance: 1.52 Ohms
Dielectric Withstanding Voltage: 9 μ A
Insulation Resistance: >50 gigaohms

MECHANICAL

Temperature Rating: -40 to +105°C
Heat Resistance: 105°C for 96 hours
Thermal Shock:
 30 minutes at -55°C
 30 minutes at +85°C
Moisture Resistance: Exposed to 40°C +/- 2°C for 24 hours, relative humidity 90-95%
Folding: Specimen folded manually at 180° bending angle 20 times

PHYSICAL

Conductor:
 Material — Copper
 Plating — Gold
 Thickness — 0.018mm nominal
Insulation Tape:
 Material — Polyimide and flame-retardant adhesive
 Color — Orange-brown
Reinforcement Tape:
 Material — Polyimide and adhesive
 Thickness — 0.135mm nominal
 Color — Orange-brown

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

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