0.25mm-Pitch Premo-Flex Cable Jumpers

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.

**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.

Simple assembly process
Ideal for electrical connections between PCBs, display boards and more.

0.25mm pitch
Offers super-fine pitch for space-constrained applications.

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

**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
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: 9µA
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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