

Premo-Flex FD19 Notched Cable Jumpers With Ear Tabs

molex

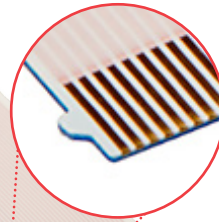
Delivering durable and extra flexible PCB-connection solutions, standard Premo-Flex FD19 Cable Jumpers (Series 15018) provide robust retention due to a unique notched design

Features and Advantages

Mates with Easy-On FFC/FPC Connector (Series 505110)

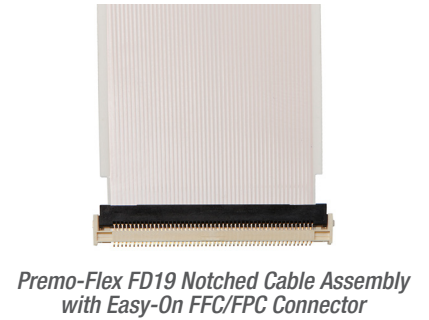
Creates connectivity with a super-fine-pitch connector that delivers high reliability and speedy data rates

Ear Tab Retention Feature



Ear tab retention feature

Provides cable alignment, superior retention and reliable connectivity



0.50mm pitch

Ideal for space-constrained applications



Simple assembly process

Ideal for electrical connections between PCBs, display boards and more

Markets and Applications

Automotive

- Car navigation
- Car infotainment
- LCD displays

Commercial Vehicle

- Instrument panels
- LCD displays

Industrial

- Robotics
- Equipment

Home Appliance

- Flat panel TVs
- Refrigerators
- Vacuuming machines

Consumer

- Gaming devices
- AR/VR
- Printers/scanners



GPS



Refrigerator



Augmented Reality/Virtual Reality (AR/VR) Headset

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Target Specifications

REFERENCE INFORMATION

Flame Resistance: UL 758 WV-1
Mates With: Easy-On FFC/FPC Connectors, Series 505110
Designed In: Millimeters
RoHS: Yes

ELECTRICAL

Voltage (max.): 60V AC
Current (max.): 0.5A
Dielectric Withstanding Voltage: 200V AC for 1 Minute, no Disrupted Discharge
Insulation Resistance (min.): 10 Megohms per km
Conductor Resistance (max.): 730 Ohms per km

MECHANICAL

Temperature Rating: -40 to +105°C
Heat Resistance: 168 hours at +135°C
Moisture Resistance:
Exposed to 60°C, relative humidity 95% for 96 hours.
Folding: Specimen to be folded manually at 180° bending angle, min. 20 cycles

PHYSICAL

FFC Tape
Material – Polyester and Flame Retardant
Adhesive
Thickness – 0.073mm Nominal
Color – White
Reinforcement Tape
Material – Polyester and Adhesive
Thickness – 0.155mm Nominal
Color – Transparent/Blue
FFC Conductor
Material – Gold-Plated Copper
Width – 0.30mm
Thickness – 0.10mm
Plating – Nickel 0.3µm (min.) and Gold 0.05µm

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

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