

Mini-Fit TPA2 Off-the-Shelf (OTS) Discrete Wire Cable Assemblies

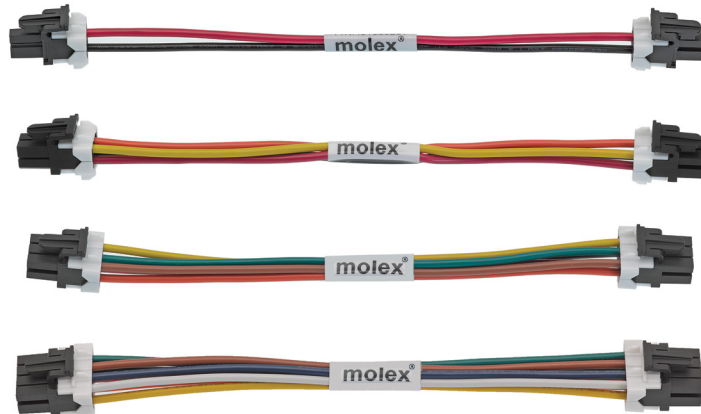


Standard Mini-Fit TPA2 Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 4.20mm-pitch connector with a 9.0A maximum current rating to facilitate both prototyping and global production

Features and Benefits

Multi-color cable configurations with Mini-Fit TPA2 Connectors available off the shelf

Designed to support development and production programs. Multi-color cables ensure correct connection



UL 1061 discrete wires

Ready to use in electronic appliance applications. Provide ease of design, prototyping and production

Both custom and off-the-shelf assemblies available

Provides quick availability for development and production programs and customized versions for final designs

Pin-to-pin mapping from receptacle to PCB header

Meets 2011/65/EU RoHS compliance. Decreases engineering time and resources

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Applications

Consumer/Home Appliances

Data/Communications

Office equipment

Automotive

Harness manufacturers

Non-sealed applications

Inside devices

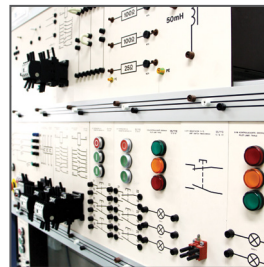
Industrial Automation

Equipment

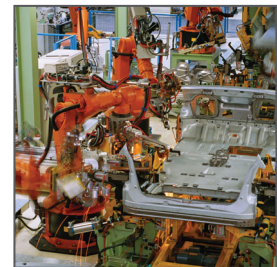
Networks



Industrial Automation: Equipment



Industrial Automation: Networks



Automotive

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Specifications

REFERENCE INFORMATION

Packaging: See Product Specs

UL File No.: E29179

CSA File No.: LR19980

Mates With: All Mini-Fit

Terminal Used: Series 172718 and 172765

Designed In: Millimeters

RoHS: Yes

Halogen-Free: Low

V-O: Yes

Glow-Wire Compliant: Available Option in 2017

ELECTRICAL

Voltage (max.): 600V AC/DC

Current (max.): 13.0A

Contact Resistance: 10 milliohm change from initial

Dielectric Withstanding Voltage: 2200V

Insulation Resistance (min.): 1000 Megohms

MECHANICAL

Contact Insertion Force: 15N (3.4 lbf)

Contact Retention to Housing: 30N (6.74 lbf)

Mating Force: 14.7N (3.3lbf)

Unmating Force: 1.0N (0.22 lbf)

Thumb Latch Yield Strength: 60N (13.5 lbf) MIN (V-0)

PHYSICAL

Pitch: 4.20mm

Wire Gauge: 16 to 24 AWG

Housing: Nylon

Contact: Brass or Phosphor Bronze

Plating: Tin

Operating Temperature: -40 to +105°C

Ordering Information

| Series | Component | Circuits | Lengths |
|-----------------------|--|------------|-----------------------------|
| 45135 | Off-the-Shelf Mini-Fit TPA2 Discrete Wire Cable Assemblies | 2, 4, 6, 8 | 150.00mm, 300.00mm and 1.0m |

| Custom Product | Description |
|-------------------------------|---|
| Contact Molex | Mini-Fit TPA 2 Discrete Wire Cable Assembly Custom lengths and other options |

www.molex.com/link/otscableassemblies.html

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