



THE DATASHEET OF
451350810



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

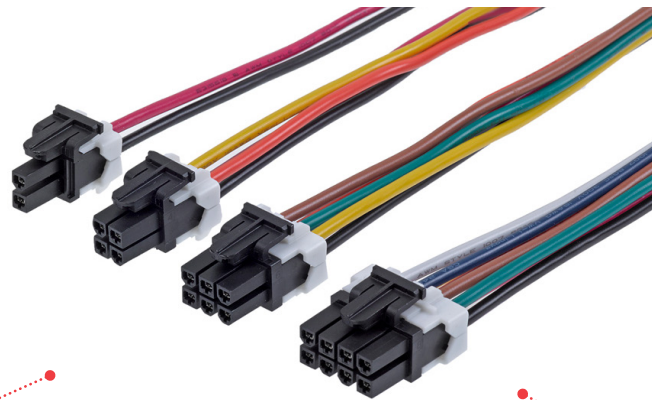


Standard Mini-Fit TPA2 Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a 4.20mm-pitch connector with a 9.0A maximum current rating to facilitate both prototyping and global production

Features and Advantages

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 1007 discrete wires (dual-row versions); UL 1061 discrete wires (single-row versions)

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

Available in single- and dual-row configurations

Provides design flexibility

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Applications

Consumer

- Fitness equipment
- Home entertainment systems
- Home appliances
- Home office
- Home security systems
- Portable electronic devices
- Gaming consoles
- Mobile devices

Automotive

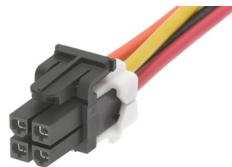
- Harness manufacturers
- Non-sealed applications
- Inside devices

Industrial

- Automation equipment
- Vending machines
- Process controls

Medical

- Patient monitors



Mini-Fit TPA Dual-Row 4-Circuit Cable Assembly



Mini-Fit TPA Single-Row 4-Circuit Cable Assembly



Home Appliance



Home Office



Automotive: Inside Devices

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



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: No

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
145135	Off-the-Shelf Mini-Fit-Fit Single-Row TPA Discrete Wire Cable Assemblies	2, 3, 4, 5, 6	75.00mm, 150.00mm, 300.00mm, 1.0m

Custom Product	Description
Contact Molex	Mini-Fit TPA2 Discrete Wire Cable Assembly Custom lengths and other options

www.molex.com/link/otscableassemblies.html

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