

Ultra-Fit™ TPA Cable Assemblies

molex®

Standard Ultra-Fit™ TPA Cable Assemblies deliver an off-the-shelf solution with a variety of cable lengths and a high-density, compact connector to facilitate both prototyping and global production

Features and Advantages

Multi-color cable configurations with Ultra-Fit™

TPA Connectors available off the shelf

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

Meets 2011/65/EU

RoHS Compliance

Decreases engineering time and resources

UL 1061 discrete wires

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

Assembled in ISO/TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards

Pin-to-pin mapping from receptacle to PCB header

Provides ready-to-use, plug-and-play connections

Ultra-Fit™ TPA Receptacles' density and premium housing features

Eliminate cross mating. Optimize space savings. Reduce terminal backout. Provide low mating force



Ultra-Fit™ Cable Assemblies, 4 circuits, black and white connectors

Applications

Data/Computing

- High-end computing
- Personal computers
- Hard/optical disk drives

Consumer/Home Appliance

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

Medical

- Patient monitors
- Telehealth
- Healthcare IT

Other Markets

- Industrial equipment
- Office equipment
- Military systems



Treadmill



Home Appliances



Personal Computer

Specifications

REFERENCE INFORMATION

Reference Information
 UL File No.: Connector (E29179), Wire (UL 1007)
 CSA File No.: N/A
 Mates With: Ultra-Fit™ Connectors
 Use With: Ultra-Fit Headers
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: No
 Glow-Wire Compliant: No

ELECTRICAL

Voltage (max.): 300V
 Current (max.): 14.0A

MECHANICAL

Contact Insertion Force (max.): 4.5N per circuit
 Contact Retention to Housing (max.): 4.0N per circuit
 Mating Force (max.): 8N Per Circuit
 Durability (min.): 25

PHYSICAL

Housing:
 Receptacle: Nylon UL 94V-0
 Header: LCP – UL 94V-0 and Glow Wire per IEC 60335-1
 Contact: High-Conductivity Copper
 Plating: Contact Area – Tin, 381μ (15μ")
 Gold or 762μ (30μ") Gold
 Solder Tail Area – Tin
 Underplating – Nickel
 PCB Thickness: 1.60 and 2.40mm
 Operating Temperature: -40 to +120°C – Gold
 -40 to +105°C – Tin

Ordering Information

Series No.	Color	Component	TPA?	Type	Circuits	Length
45133	Black	Ultra-Fit™ Receptacle	Yes	Dual Row	2, 4, 6 and 8	150.00mm
45134	White					300.00mm 1.0m

Custom Product	Description
Contact Molex	Ultra-Fit™ TPA Discrete Wire Cable Assembly Custom lengths and other options