

# Ultra-Fit™ TPA Cable Assemblies



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

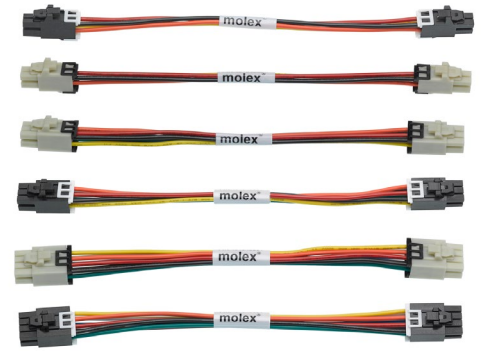
### Multi-color cable configurations with Ultra-Fit™

#### TPA Connectors available off the shelf

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

### UL 1061 discrete wires

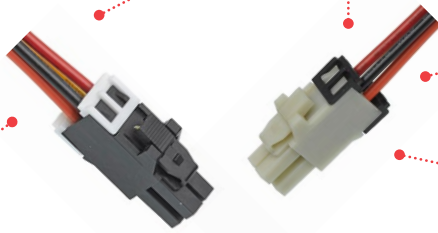
Ready to use in electronic appliance applications. Provide ease of design, prototyping and production



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

### 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

### 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

## 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

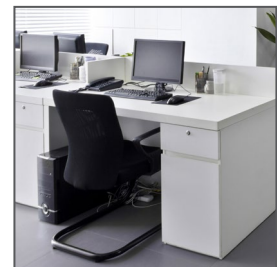
- Industrial equipment
- Office equipment
- Military systems



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	150m 300mm 1m
45134	White					