

# Micro-Lock Plus Off-the-Shelf (OTS) Discrete Wire Cable



Micro-Lock Plus Off-the-shelf Discrete Cable Assemblies come in a variety of cable lengths and with a compact connector to support both prototyping and global production

## Features and Benefits

**UL 1061 discrete wires for micro cable assemblies; UL 1007 discrete wires for other assemblies**

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

**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

**Micro-Lock Plus Cable Assembly offers 1.25mm-pitch form factor and carries 1.5A with positive lock**

Secures mating retention without sacrificing compactness



Micro-Lock Plus OTS Discrete Wire Cable Assemblies

## Applications

### Consumer

- Home entertainment
- Home appliances
- Gaming consoles
- Mobile devices

### Commercial Vehicle

### Industrial

- Process controls
- Industrial motors

### Medical

- Patient monitors
- Diagnostic equipment

### Commercial Aviation

- Drones
- Commercial aircraft cabins



Office Equipment



Drones



Gaming Machines

# Micro-Lock Plus Off-the-Shelf (OTS) Discrete Wire Cable



## Specifications

### REFERENCE INFORMATION

Packaging: Reel (Terminal); Embossed (Header Assembly); Bag (Receptacle Housing)  
Mates With: Micro-Lock Plus Connectors  
Designed In: Millimeters  
RoHS: Yes

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 1.5A  
Contact Resistance (max.): 5 milliohms  
Dielectric Withstanding Voltage: 500V AC  
Insulation Resistance (min.): 100 Megohms

### MECHANICAL

Contact Insertion Force (max.): 4.9N  
Contact Retention to Housing (min.): 6.9N  
Mating Force: 9.8N (2 Circuit)  
Unmating Force: 0.3N (2 Circuit)  
Mating Force (min.): 30 Cycles

### PHYSICAL

Housing:  
Receptacle — PBT  
Header — PA9T  
Contact: Copper Alloy  
Plating:  
Contact Area — Tin  
Underplating — Nickel  
Operating Temperature: -40 to 105°C

## Ordering Information

Series No.	Component	Type	Circuits	Length (mm)
<a href="#">45111</a>	Micro-Lock Plus Receptacle	Single Row	2 to 6	50, 100, 150, 300, 450, 600

Custom Product	Description
<a href="#">Contact Molex</a>	Micro-Lock Plus custom lengths and other options

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)  
[www.molex.com/link/microlockplus.html](http://www.molex.com/link/microlockplus.html)

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