

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 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)
45111	Micro-Lock Plus Receptacle	Single Row	2 to 6	50, 100, 150, 300, 450, 600

Custom Product	Description
Contact Molex	Micro-Lock Plus custom lengths and other options

www.molex.com/link/otscableassemblies.html
www.molex.com/link/microlockplus.html

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