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

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 millihoms
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

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Component</th>
<th>Type</th>
<th>Circuits</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45111</td>
<td>Micro-Lock Plus Receptacle</td>
<td>Single Row</td>
<td>2 to 6</td>
<td>50, 100, 150, 300, 450, 600</td>
</tr>
</tbody>
</table>

Custom Product

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

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

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