Micro-Lock Plus 2.00mm Pitch Wire-to-Board Connector System

Ideal for compact applications, the Micro-Lock Plus Wire-to-Board Connector System provides electrical and mechanical reliability in a high-temperature design that meets automotive and other industry requirements.

**Features and Benefits**

- **Outer lock**
  Strengthens lock for more reliable connection

- **2.00mm-pitch connector with positive lock**
  Delivers secure mating retention without sacrificing compactness

- **Wide positive latch that delivers audible click**
  Provides secure mating retention. Ensures proper mating

- **SMT terminals**
  Prevents whiskering for a clean and uninterrupted signal. Supports terminal ruggedness and reliability

- **Low-halogen and high-temperature capabilities**
  Meets automotive industry requirements. Withstands harsh environments

- **Robust metal solder tabs**
  Provides secure PCB retention and strain relief to solder joints

**Applications**

**Automotive**
- Steering wheel, paddle shift, combination switches
- Shifters
- Head-, rear- and side-mirror lights
- Internal connection with other units

**Industrial Automation**

**Consumer**
- White goods
- Gaming machines
- Drones
- Air conditioners
- Laser printers
- Vacuum cleaners
- Desktop PCs
- Power tools

**Steering Wheel Switches**

**Gaming Machines**

**Industrial Automation**

**White Goods**

**Drones**
Micro-Lock Plus 2.00mm Pitch Wire-to-Board Connector System

Specifications

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

**ELECTRICAL**
- Voltage (max.): 250V
- Current (max.): 3.0A
- Contact Resistance on Crimped Portion (max.): 5 Milliohms
- Dielectric Withstanding Voltage: 500V AC
- Insulation Resistance (min.): 1000 Megaohms

**MECHANICAL**
- Crimp Terminal Insertion Force (max.): 9.8N
- Crimp Terminal Retention Force (min.): 25.0N
- Crimping Pull Out Force: 29.4N (min.) (AWG#24)
- Compulsion Withdrawal Force: 40N (min.)
- (4-5 circuit)
- Durability (min.): 30 Cycles

**PHYSICAL**
- Housing:
  - Receptacle − PBT
  - Header − PA9T
- Contact: Copper Alloy
- Plating (Receptacle):
  - Contact Area — Tin
  - Underplating — Nickel
- Plating (Header):
  - Contact Area — Tin
  - Nail Area — Tin over Nickel
- Operating Temperature: -40 to +105˚C

**Ordering Information**

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<th>Series No.</th>
<th>Pitch (mm)</th>
<th>Component</th>
<th>Circuits</th>
<th>Rows</th>
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www.molex.com/link/microlockplus.html