

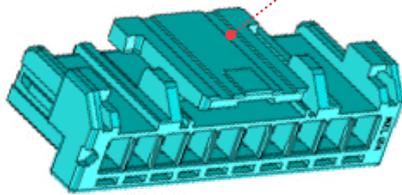
# Micro-Lock Plus 2.00mm Pitch Wire-to-Board Connector System

**molex**

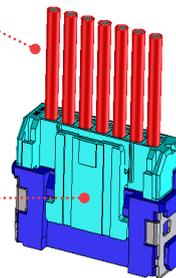
Ideal for compact applications, the Micro-Lock Plus Wire-to-Board Connector System provides electrical and mechanical reliability in a high-temperature design that meets automotive and other industry requirements

## Features and Benefits

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

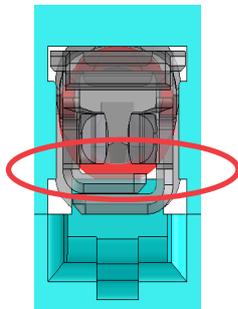


**2.00mm-pitch connector with positive lock**  
Delivers secure mating retention without sacrificing compactness

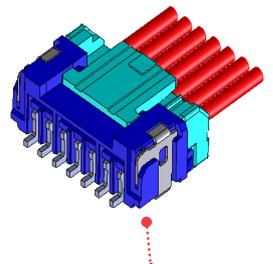


**Wide positive latch that delivers audible click**  
Provides secure mating retention. Ensures proper mating

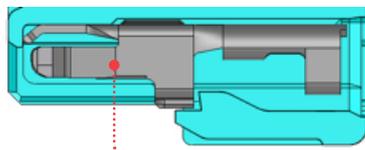
**Terminal contact area**  
Expanded terminal and lance contact area



**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



**Dual contact terminal design**  
Offers secure contact and terminal retention

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



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

**2 to 16 circuits, single row plug in vertical and horizontal configurations**  
Offers design flexibility

## Applications

### Automotive

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



Steering Wheel Switches



Gaming Machines

### Industrial Automation

### Consumer

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



Industrial Automation



White Goods



Drones

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

# molex

## 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.) (4-5circuit)  
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

Series No.	Pitch (mm)	Component	Circuits	Rows	Color
<a href="#">505572</a>	-	Female Receptacle Terminal	-	-	-
<a href="#">505570</a>	2	Receptacle Housing	2 to 16	Single	Black
<a href="#">505575</a>		Vertical Header			
<a href="#">505578</a>		Right Angle Header			

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

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