

Micro-Lock Plus 1.50mm-Pitch Connector

Ideal for compact applications, the Micro-Lock Plus Connector System addresses the challenges of designing components into smaller spaces to reduce overall package size.



ADVANTAGES AND FEATURES

Provides secure mating retention

The wide latch design increases the surface area that holds the connector together. The audible click that occurs when the connector is fully mated serves as an important confirmation for users.

Strengthens lock for more reliable connection

The positive-lock for the single-row version provides additional points of contact and engagement between the connector and its mating counterpart. This added stability helps to maintain the connection even in environments where the connector may be subjected to mechanical stresses.

Provides improved retention force

A positive-lock provides a strong retention force so that the connector is less likely to become detached due to pulling or tension on the cables.

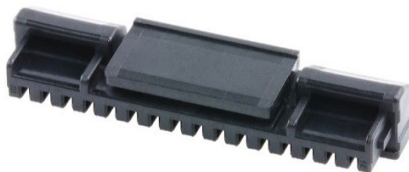
Voltage (max.)	125V AC rms/DC
Insulation Resistance (min.)	1,000 Megohms
Current	AWG #24: 2.6A AWG #26: 2.2A
Durability (max.)	30 Cycles
Housing Lock Strength (min.)	68.6N (14 to 16 circuits)
Operating Temperatures	-40 to +105°C

Meets industry standards for harsh environments

The ability of the Micro-Lock Plus 1.50mm-Pitch Connector to withstand operating temperatures of up to 105°C ensures that the connector can function effectively without degradation or failure, meeting the thermal standards.

Provides improved space efficiency

The compact size of the connector allows it to fit into tight spaces, making it ideal for use in modern electronic devices that are continually becoming smaller and more densely packed with components.



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MARKETS AND APPLICATIONS

Automotive

Car infotainment
Mirrors
Steering wheels
Switches

Appliances

White goods
Gaming machines
Drones
Laser Printers
Vacuum cleaners

HVAC

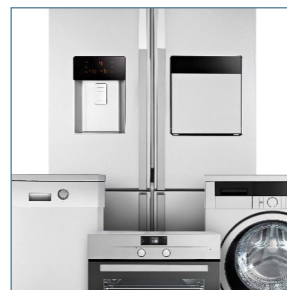
Air conditioners

Industrial automation

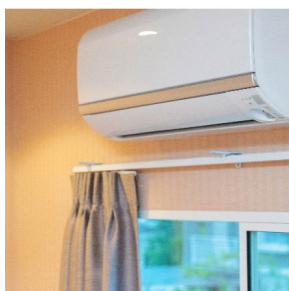
Restaurant serving robots
Automation equipment



Steering Wheels



White Goods



Air Conditioners



Restaurant Serving Robots

SPECIFICATIONS

Reference Information

Packaging:

Reel (Terminal); Embossed Tape
(Plug Assembly); Bag
(Receptacle Housing)

Designed In: Millimeters

RoHS: Yes

PFAS-Free: Yes

Low Halogen: Yes

Electrical

Voltage (max.): 125V AC rms/DC

Current (max.):

AWG #24: 2.6A

AWG #26: 2.2A

Contact Resistance (max.): 20 milliohms

Dielectric Withstanding Voltage: 500V AC

Insulation Resistance (min.): 1,000 Megohms

Mechanical

Durability (max.): 30 Cycles

Crimp Terminal Insertion Force (max.): 9.8N

Crimp Terminal Retention Force (min.): 9.8N

Crimping Pull Out Force (min.): 29.4N (AWG 24)

Housing Lock Strength (min.): 68.6N

(14 to 16 circuits)

Mechanical

Operating Temperatures: -40 to +105°C

AWG	2-circuits	8-circuits	16-circuits
	Current (A)	Current (A)	Current (A)
24	3.8	3.0	2.6
26	3.6	2.4	2.2