

# MINI-LOCK 2.50MM-PITCH CONNECTORS

Adding black color and Glow Wire versions to the 2.50mm-pitch connectors allowing for design flexibility and safety/protection

## NPI ENHANCEMENT

September 2023



*creating connections for life*

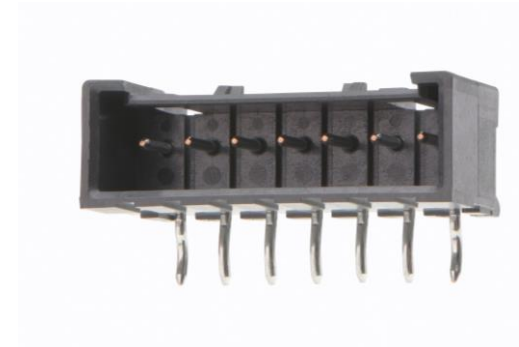
**molex**

# MINI-LOCK 2.50MM-PITCH CONNECTORS

Mini-Lock Wire-to-Board/Wire-to-Wire 2.50mm-pitch system is a versatile and proven product with a broad range of features that include TPA, positive-lock and glow wire options for safety and reliability.

## Key Product Information

Category:	Wire-to-Board/Wire-to-Wire Connectors
Pitch:	2.50mm
Operating Temps:	-40 to +105°C
Orientation:	Vertical/Right Angle



[View Product Landing Page](#)

[Download Datasheet](#)

### Series

51163	Receptacle Housing; TPA; Black
53517	Vertical Header; Through Hole; Black
534269xx1	Right-Angle Header; Glow Wire; Black

# VITAL PRODUCT INFORMATION



## Glow Wire Capable

Mini-Lock 2.50mm-Pitch Connectors provide a glow wire option that is validated by VDE Testing and Certification Institute. Glow wire capable connectors allows these connectors to meet safety and environmental requirements mandated by the Home Appliance industry.

## Reliable and Durable

The Mini-Lock Wire-to-Board Connector System is designed with TPA for secure mating retention. These connectors offer locking features that help ensure correct mating orientation and provide electrical reliability in rugged environments for superior reliability and durability.

## Potting Capability

Mini-Lock 2.50mm-Pitch Connectors offer potting capability for added resistance to shock and vibration and prevents moisture, liquid and corrosive agents from penetrating the PCB board.

# MARKETS AND APPLICATIONS



## Home Appliance

- Air conditioners
- Refrigerators
- Washers and dryers



## Consumer

- Gaming machines
- Fitness equipment
- Security systems



## Datacom

- Automation equipment
- Vending machines

# PRODUCT FEATURES AND ADVANTAGES

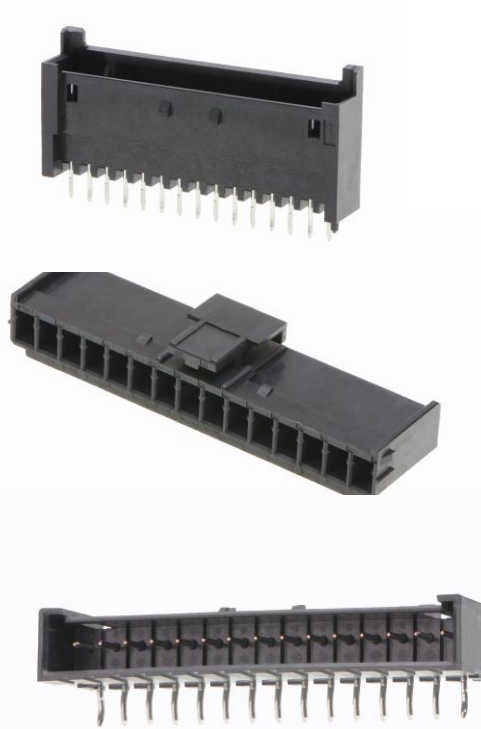
**Meets EU regulations for the Home Appliance market**  
Glow Wire capable

**Offers protection during harness assembly**  
Anti-fish-hooking contact

**Allows for easy mating and unmating**  
Thumb-latch locking feature

**Allows for excellent electrical reliability**  
Four-point contact design

**Assists in umating**  
Pull tabs



Mini-Lock 2.50mm-Pitch Connectors

Key Specifications	
Voltage (max.)	250V
Pitch	2.50mm
Glow Wire Capable	Yes
Circuits	2 to 15
Operating Temperature	-40 to +105°C



THANK YOU

*creating connections for life*

**molex**