

# Connecting Devices to the Internet of Things

## SITUATION

**Do you know enough about the latest IoT-enabled interconnectors to address these challenges?**



- The inside profile of IoT applications is becoming more space constrained. Increased modularity limits the space for the connector and other components, requiring more profile and orientation micro connector options.
- Having multiple profile and orientation micro connector options gives designers flexibility to address space, location and connector entry point challenges.

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## WHAT'S TRENDING

# The Right Connector for Seamless IoT Integration

5G wireless network technology will drive more of everything. More smart devices. More communication between those devices. More data and decisions based on that data.

5G will also influence how we work and how we live. Even something as simple as a toothbrush is part of this technology revolution, evolving from its humble origins of bone and hog's hair to a device so smart it can tell if you're vitamin deficient — and then order those vitamins for next-day delivery.

Smart toothbrushes are just one example of the millions of devices that will require modularity — active chips, memory modules and connection points. These dense and complex new applications will require exceptional signal integrity built into the board-to-board, wire-to-board and flex-to-PCB connection points to accommodate higher speeds at an ultra-low-profile setting.

And it will require a partner that understands connectors — products tested in established consumer and industrial markets, with a proven track record for performance and the ability to handle the thousands of devices that will connect simultaneously.

Molex has the engineering resources and industry experts on the front lines of IoT development to help you capture and process data so every activity is more productive. Learn more about preparing for 5G technology.



**Contact Mouser** for more information on these Molex solutions:

- [Pico-Lock Wire-to-Board Connectors](#)
- [Micro-Lock Plus Wire-to-Board Connectors](#)
- [Pico-Clasp Wire-to-Board Connectors](#)
- [Pico-EZmate Wire-to-Board Connectors](#)

### SOLUTION:

#### **Pico-Lock Wire-to-Board Connectors**

- Side positive locking system for high retention force and max space savings
- Ultra-low-profile right-angle design
- Up to 3.5A per circuit design



### SOLUTION:

#### **Micro-Lock Plus Wire-to-Board Connectors**

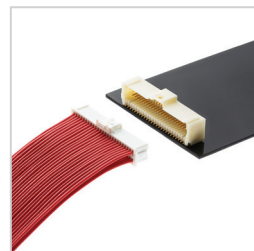
- Design flexibility with multiple pitches, mating orientations, dual-and single-row options
- Robust low-profile mechanical locking system for optimal retention force



### SOLUTION:

#### **Pico-Clasp Wire-to-Board Connectors**

- Design flexibility with multiple pitches, mating orientations, dual-and single-row options
- Robust low-profile mechanical locking system for optimal retention force



### SOLUTION:

#### **Pico-EZmate Wire-to-Board Connectors**

- Top entry design for ease of use
- Ultra-low profile height (1.20mm) provides vertical space savings
- Polarizing key prevents mismatching



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