Key Microminiature Connection Points
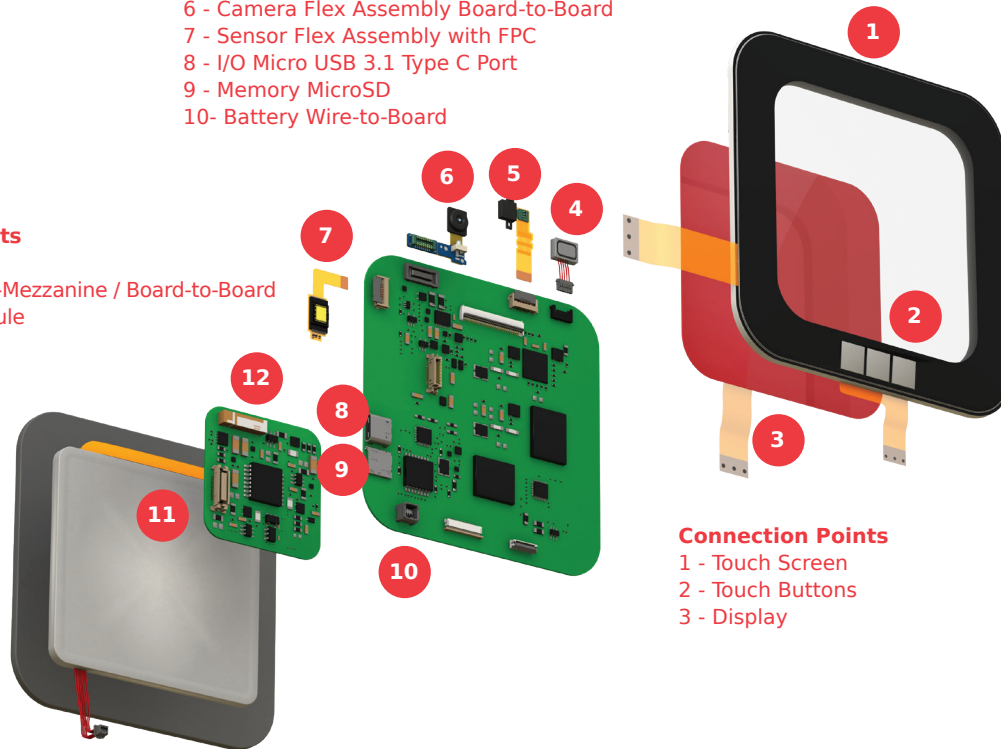
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Connection Points
4 - Speaker FPC Wire-to-Board
5 - MIC Flex Assembly with FPC
6 - Camera Flex Assembly Board-to-Board
7 - Sensor Flex Assembly with FPC
8 - I/O Micro USB 3.1 Type C Port
9 - Memory MicroSD
10- Battery Wire-to-Board

Connection Points
10 - Battery Cell
11 - Mezzanine-to-Mezzanine / Board-to-Board
12 - Antenna Module

Connection Points
1 - Touch Screen
2 - Touch Buttons
3 - Display

An example of the key connections that drive micro
products with Molex FFC, Board-to-Board and Wire-to-Board Connectors

Microminiature connectors initially designed for consumer handheld devices, are now being in applications across many industries. Furthermore, companies are looking for new ways to use technology to reach and engage with customers. These new application features have translated into more modularity and increased flexible printed assemblies for key features.

Why more applications across industries are using microminiature connectors:

- Increased user interface

- Feature-rich options

- Profile changes

In turn, feature-rich options and increased user interface result in:

- Increased flexible print assemblies

- Modular design (multiple PCB designs)

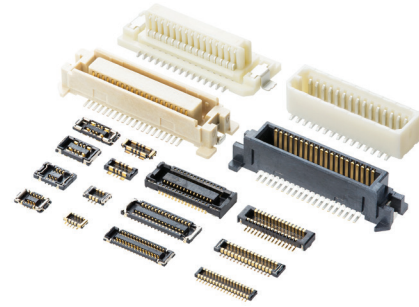**All of the above are increasing the amount of microminiature connection points in applications.**

Discover these connectors by visiting www.molex.com

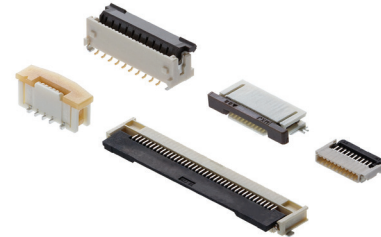# Key Microminiature Connection Points

BOARD-TO-BOARD CONNECTORS

SlimStack Board-to-Board Connectors offer a wide selection of low-profile, narrow width options in various mated heights and circuit sizes.

FPC CONNECTORS

Super-fine pitch and small-size FFC/FPC Connectors with ZIF, non-ZIF, slider, flip actuator and FPC-to-board styles and a variety of circuit sizes deliver both high reliability and speedy data rates.

SIGNAL WIRE-TO-BOARD CONNECTORS

Feature a wide variety of available wire-to-board signal connectors that provide excellent design flexibility and cost-savings.
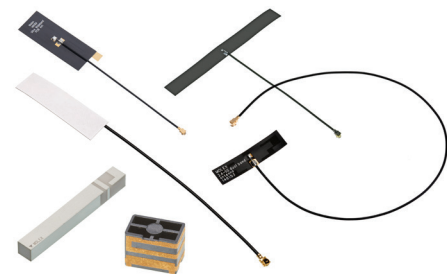
USB PRODUCTS AND SOLUTIONS

The compact Type-C Connectors and Cables expanded family supports up to 10 Gbps speeds and offers robust, reliable connectivity in IoT, wearable device and other high-speed data I/O applications.

ANTENNAS

Molex provides extensive experience in antenna technologies from concept-to-completion. Ready-To-Use RF Antennas are compact, high-performing and available in multiple form factors for all common antenna protocols and frequencies used in IoT, automotive, industrial and medical applications.

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