

CONSUMER AND COMMERCIAL DRONE SOLUTIONS ➤



molex®

Powering the Next Generation of Drones ›

Drones can be used in a variety of ways – both recreationally or commercially – and come in different frame size classifications such as nano, micro, mini, mid, hobby and pro. Smaller-sized drones have more limited features while larger drones require more power to drive advanced applications and enhanced features.

Generation 7 drones will soon be fully adapted for commercial use and will adhere to new safety compliance regulations allowing for full autonomous flight. Molex is at the forefront of the next generation of drones, enabling both flight controls and wireless functions with electronic and power solutions. Molex supplies key connector and cable assemblies to support the various features that propel drones. From the mainboard to the remote control, there is a Molex product and solution to power it.



Easy-On FFC FPC Connectors

- ZIF, NON-ZIF, Slider, flip-style actuator
- Super fine pitch size
- Wide variety of selection pin count



Premo-Flex Cable Jumpers

- Extensive range of custom
- Off-the-shelf option



SlimStack Board-to-Board Connectors

- Wide alignment guides
- Dual contact design
- Metal covers



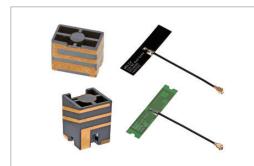
USB Type-C Connectors and Cable Assemblies

- Support 5.0A current
- Mid-plate receptacle 'tongue' design



Standard Antenna

- Wide frequency
- High radiation efficiency
- Compact





MID/LDS Capabilities

- Enables electronic circuitry on molded plastic
- 3-D selective trace solutions



EXTreme Ten60Power High-Current Connector

- 10.00mm height
- Rated up to 60.0A/blade



Compression Connectors

- Low Level Contact Resistance (LLCR)
- 1.20mm height



PowerLife Wireless Charging Coils

- Highest Q factor
- Various frequencies



Memory Card Sockets

- Variety of SD, SIM and Combo SD/SIM Memory Card Connectors
- Compact size with small footprint and low profile height



Remote Control

- Easy-On FFC FPC Connectors
- Premo-Flex Cable Jumpers
- SlimStack Board-to-Board Connectors
- Micro-USB Connectors
- Micro-Lock Plus Wire-to-Board Connector System
- RF/Microwave Products



HOZOX HF2 EMI Suppression Sheets

- Superior noise mitigation up to 40 GHz
- Pliability to wrap easily



Pico-Clasp Wire-to-Board Connectors

- Smallest 1.00mm pitch for positive lock
- Wire-to-Board
- Wide header variations



Micro-Lock Plus Wire-to-Board Connector System

- 1.25mm pitch
- electrical and mechanical reliability in a high-temperature design



RF/Microwave Products

- Frequencies from DC to 65 GHz
- Sizes from ultra-miniature to large RF



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one company > a world of innovation