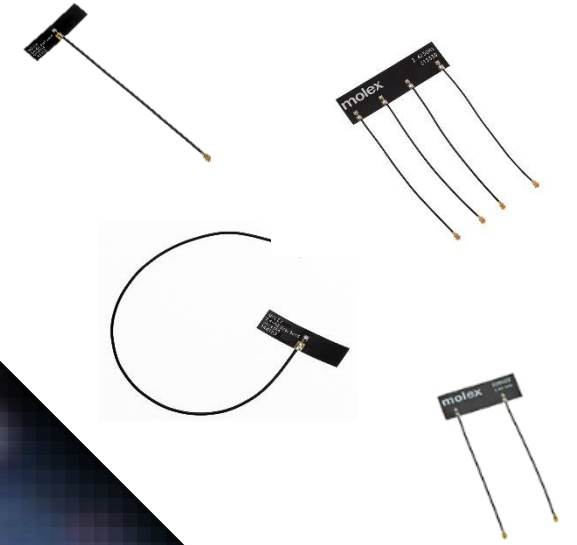


# AUTOMOTIVE-GRADE ANTENNAS

WI-FI6E, ULTRA-WIDEBAND (UWB) AND CELLULAR MONOPOLE LOW-PROFILE

NPI ENHANCEMENT

DECEMBER 2022 | GLOBAL RELEASE



*creating connections for life*

**molex**

# AUTOMOTIVE-GRADE ANTENNAS

Off-the-Shelf Automotive-Grade Wi-Fi6E, UWB and Cellular Monopole Low-Profile Antennas, available in various configurations, offer high RF performance and reliability for in-vehicle connectivity applications.

## Key Product Information

**Category:** Standard Antennas

**Subcategory:** Internal Antennas

**Key Features:** Off-the-shelf antennas, easy connection, superior quality, high RF performance

**Frequency band:** WiFi6E 2.4/5.8/6 GHz, UWB 3 to 6/5.8 to 8.5 GHz, Cellular 600 MHz to 6 GHz



[View Product Landing Page](#)

# VITAL PRODUCT INFORMATION

## Off-the-shelf solution

Compact and reliable off-the-shelf automotive-grade antennas, offer design flexibility with quick time to market for customers.

These antennas deliver high RF performance with up to 180° rotation possibility, delivering excellent coverage.

## Offers design flexibility

Antennas play a significant role in the development of the future automobile. However, designing an automotive-grade and commercial vehicle antenna is complex and time-consuming.

Molex's Off-the-Shelf Automotive-Grade Antennas for Wi-Fi6E, UWB and Cellular Monopole applications, providing design flexibility and plug-in possibility.

## Reliable, compact design

Customers want to meet the market demand for product miniaturization without compromising on performance parameters.

Molex's Off-the-Shelf Automotive-Grade Antennas for Wi-Fi6E, UWB and Cellular Monopole Antennas offer a compact design with high RF performance for excellent coverage.



# MARKETS AND APPLICATIONS

## Automotive

Wi-Fi/Bluetooth devices

Cellular connectivity



*In-Vehicle Wi-Fi/Bluetooth Devices*

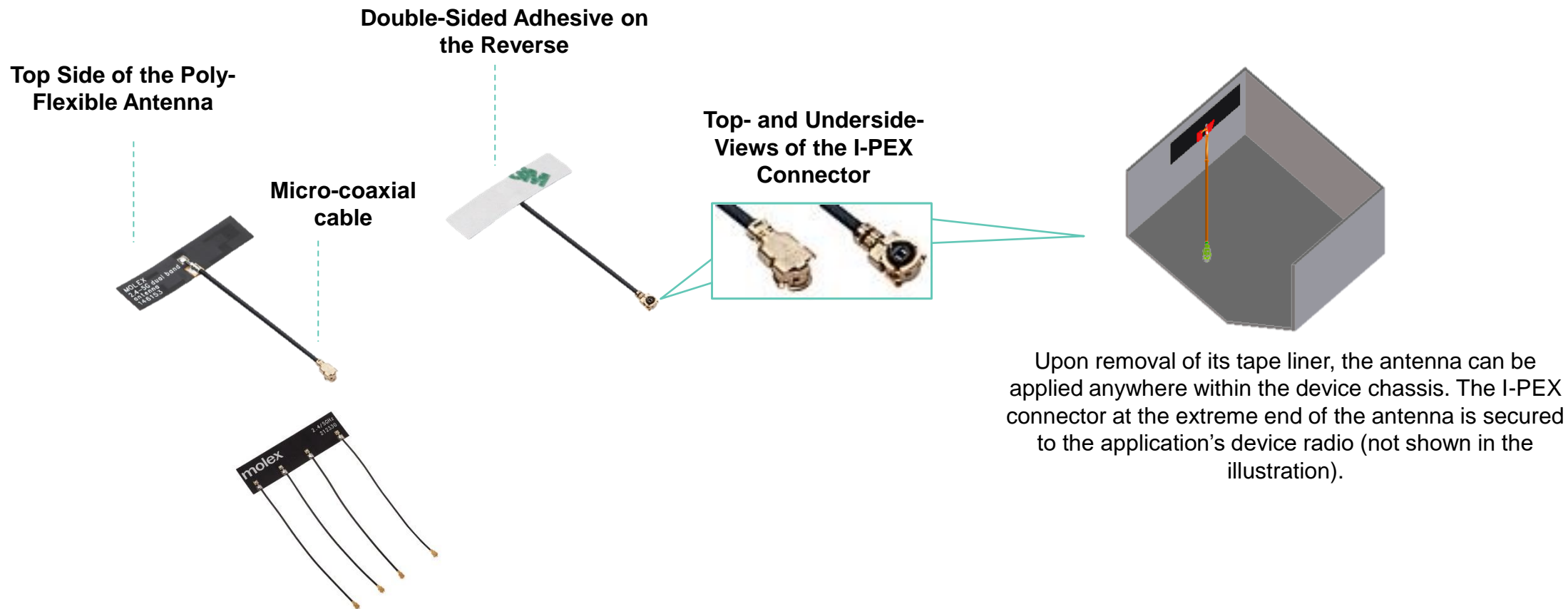
## Commercial Vehicles

Networking devices

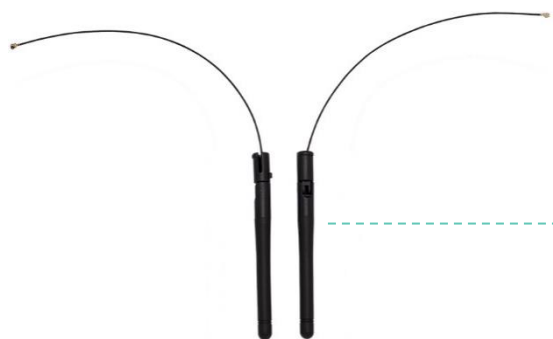


*In-Vehicle Networking Devices*

# PRODUCT FEATURES & ADVANTAGES



# PRODUCT FEATURES & ADVANTAGES



Dual-Band Wi-Fi Antennas

**Dual-band antenna with up to 5.3 dBi peak gain and 80% efficiency**  
Provides strong and stable wireless connection

**I-PEX-type connector**  
Secures to the application's device radio and provides space savings



Wi-Fi Antenna, I-PEX Type



THANK YOU

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