



ULTRA-WIDE BAND (UWB) ANTENNAS

TE Connectivity (TE) adhesive mount ultra-wide band (UWB) antennas offer an ultra-thin ground plane independent alternative to ceramic chip antennas, increasing the design flexibility by mounting the antenna to the enclosure of your device. These devices can enable for precise indoor positioning and tracking applications, access control, and contract tracing. With the ability to locate objects to/within 10cm, UWB antennas provide a powerful solution in a small package for low and high band UWB channels 1 to 9 (3-8.5 GHz).

INDUSTRIES

- Asset Tracking
- Location-Based Services
- Commercial Positioning
- Security
- Aids for Daily Living (ADL)

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KEY BENEFITS

- Broadband antenna design covers the majority of ultra-wide band frequency ranges ideal for location position applications
- High efficiency design helps reduce overall power consumption to prolong end-device battery life
- Small form factor, enclosure mounting, and omni-directional operations allow for a wide variety of design options

PRODUCT FEATURES

- Smaller size support commonly used UWB channel 5 (6.5 GHz) and channel 9 (8 GHz)
- With frequency ranges of 3.1 GHz to 8.5 GHz, current product versions cover the most common bands enabling support for industry leading UWB transceivers
- Various standard cable lengths available
- Low implementation costs

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PART NUMBERS

Part Number	Part Description
2108965-1	FPC ANT, MHF, 50mm, UWB 6-8.5 GHz
2108965-2	FPC ANT, MHF, 100mm, UWB 6-8.5 GHz
2108965-3	FPC ANT, MHF, 150mm, UWB 6-8.5 GHz
2108965-4	FPC ANT, MHF, 200mm, UWB 6-8.5 GHz
2108965-5	FPC ANT, MHF 4L, 50mm, UWB 6-8.5 GHz
2108965-6	FPC ANT, MHF 4L, 100mm, UWB 6-8.5 GHz
2108965-7	FPC ANT, MHF 4L, 150mm, UWB 6-8.5 GHz
2108965-8	FPC ANT, MHF 4L, 200mm, UWB 6-8.5 GHz
2108971-1	FPC ANT, MHF, 50mm, UWB 3-8.5 GHz
2108971-2	FPC ANT, MHF, 100mm, UWB 3-8.5 GHz
2108971-3	FPC ANT, MHF, 150mm, UWB 3-8.5 GHz
2108971-4	FPC ANT, MHF, 200mm, UWB 3-8.5 GHz
2108971-5	FPC ANT, MHF 4L, 50mm, UWB 3-8.5 GHz
2108971-6	FPC ANT, MHF 4L, 100mm, UWB 3-8.5 GHz
2108971-7	FPC ANT, MHF 4L, 150mm, UWB 3-8.5 GHz
2108971-8	FPC ANT, MHF 4L, 200mm, UWB 3-8.5 GHz

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