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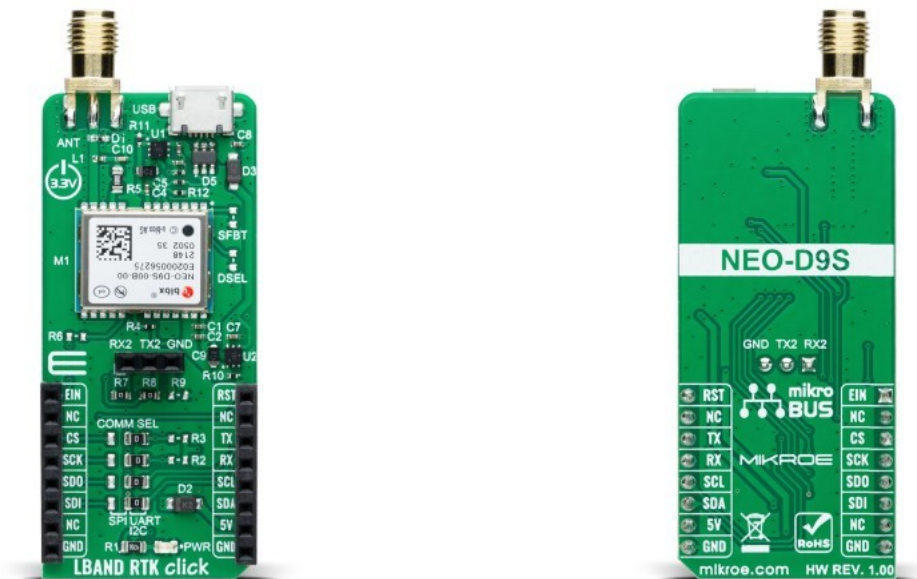www.mikroe.com

LBAND RTK Click

PID: MIKROE-5411

LBAND RTK Click is a compact add-on board that provides global and easy access to satellite L-Band GNSS corrections. This board features the NEO-D9S-00B, an professional-grade satellite data receiver for L-band correction broadcast from u-blox. Operating in a frequency range from 1525MHz to 1559MHz, the NEO-D9S-00B decodes the satellite transmission and outputs a correction stream, enabling a high-precision GNSS receiver to reach accuracies down to centimeter level. It can also select the GNSS correction data delivery channel alongside advanced security features such as signature and anti-jamming. This Click board™ can be configured for various correction services for industrial and professional applications.

LBAND RTK Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Specifications

Type	GPS/GNSS
Applications	Can be used for various correction services for industrial applications
On-board modules	NEO-D9S-00B - satellite data receiver for L-band correction broadcast from u-blox
Key Features	High precision, high performance, L-band GNSS correction, centimeter-level accuracy, professional-grade, high scalability for various applications, selectable interface, integration with u-blox F9 receivers, security features, and more
Interface	I2C,SPI,UART,USB
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

LBAND RTK click example on Libstock

NCV8705 datasheet

LBAND RTK click schematic

LBAND RTK click 2D and 3D files

NEO-D9S-00B datasheet