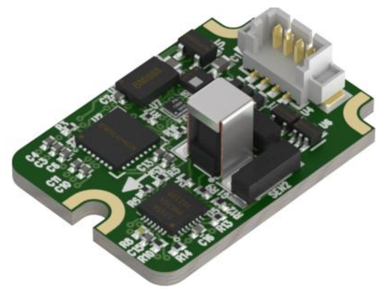
NaviGuider

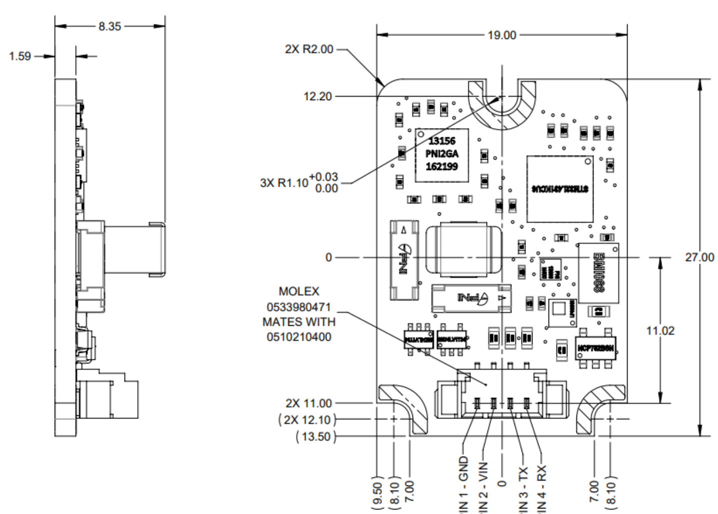
Sensor-based Orientation System for UAVs, ocean gliders, robots and buoys

Finally! A sensor-based guidance module that requires no external calibration and no additional algorithms. And it's simple and easy to integrate



Specifications

Specification	Heading Accuracy	2° rms
	Tilt Accuracy	1° rms
	Magnetometer	±200uT
	Gyroscope	2000 dps Drift error < 2°/min Scale error < 0.3%
	Accelerometer	±4G 0.5% linearity ±20mG bias stability
Data Outputs	Heading, Pitch & Roll, Rotation Matrix Quaternions, Magnetic, Accelerometer, and Gyroscope Sensor Data	
Maximum Sensor ODR	Gyro – 4000 Hz Accelerometer – 400Hz Magnetic sensor – 125 Hz	
I/O Characteristics	Communication Interface	TTL/CMOS serial UART
Mechanical Characteristics	Dimensions *(l x w x h)*	27 x 19 x 8.35 mm
Power Requirements	Supply Voltage	2.9– 5.5 VDC
	Current draw	9.5 mA



PNI is a positioning and navigation product and technology company that provides highly accurate, precise position and navigation data to systems through the use of proprietary sensors, algorithms and Edge AI

Building on decades of patented sensor and algorithm development, PNI offers the industry's highest-performance geomagnetic sensor in its class, location and motion coprocessors, high-performance modules, sensor fusion algorithms, and complete sensor systems.

To learn more, please visit www.pnicorp.com.

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