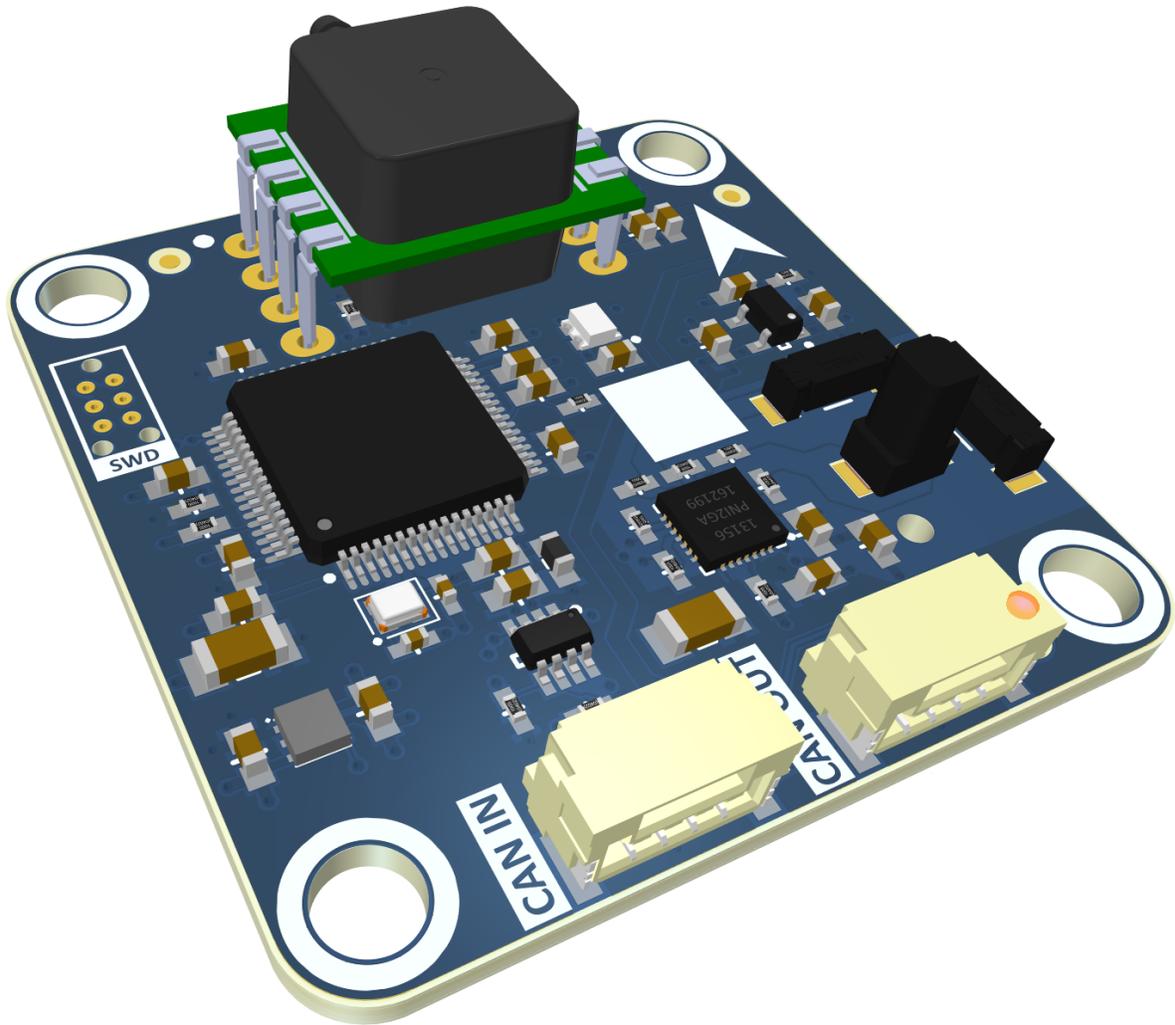


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# Airspeed & Compass CAN Node v0.4



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# Contents

- I Abstract 3**
  
- II Technical Specification 3**

  - 1 On-board sensors 3**
  - 2 Interfaces 4**
  - 3 Additional Features 4**
  - 4 Electrical data 4**
  - 5 Layout 5**
  - 6 Packing list 6**
  - 7 Mechanical 6**
    - 7.1 Dimensions . . . . . 6
  - 8 Pictures 7**
    - 8.1 Top . . . . . 7



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## Part I

# Abstract

The Airspeed & Compass board is a compact, CAN-enabled module that integrates the RM3100 magnetometer and the DLVR differential pressure sensor, providing precise heading and airspeed measurements. Fully compatible with the DroneCAN protocol, it ensures reliable and efficient data communication for modern UAV systems.

## Part II

# Technical Specification

## 1 On-board sensors

- **Compass** PNI RM3100
- **Differential pressure sensor** One of the following variants (specified at the time of order):
  - DLVR-L10D-E1BD-I-NI3N (T: -20 °C to 85 °C, P: 2500 Pa)
  - DLVR-L10D-E1BD-C-NI3N (T: 0 °C to 70 °C, P: 2500 Pa)
  - DLVR-L20D-E1BD-I-NI3N (T: -20 °C to 85 °C, P: 5000 Pa)
  - DLVR-L20D-E1BD-C-NI3N (T: 0 °C to 70 °C, P: 5000 Pa)
  - DLVR-L30D-E1BD-I-NI3N (T: -20 °C to 85 °C, P: 7500 Pa)
  - DLVR-L30D-E1BD-C-NI3N (T: 0 °C to 70 °C, P: 7500 Pa)

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## 2 Interfaces

- **2x CAN 2.0B Interface:** Supports data rates up to 1 Mbps

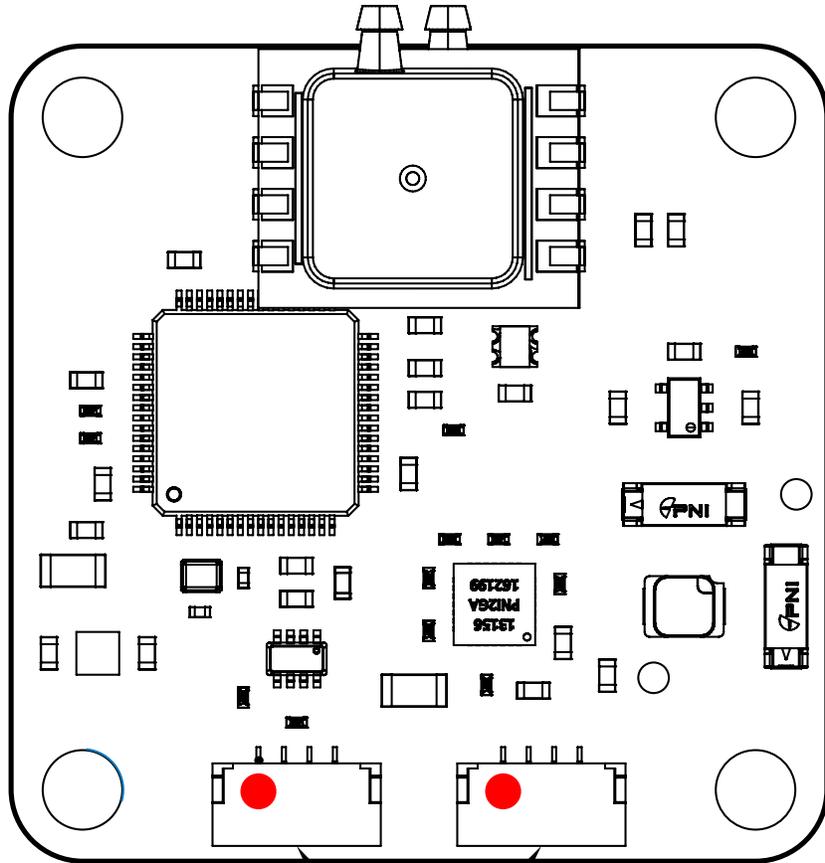
## 3 Additional Features

- Neopixel status LED

## 4 Electrical data

- 5V input voltage

## 5 Layout



Pin #	Name
1 ●	+5V
2	CAN_H
3	CAN_L
4	GND

2 x CAN CONNECTOR

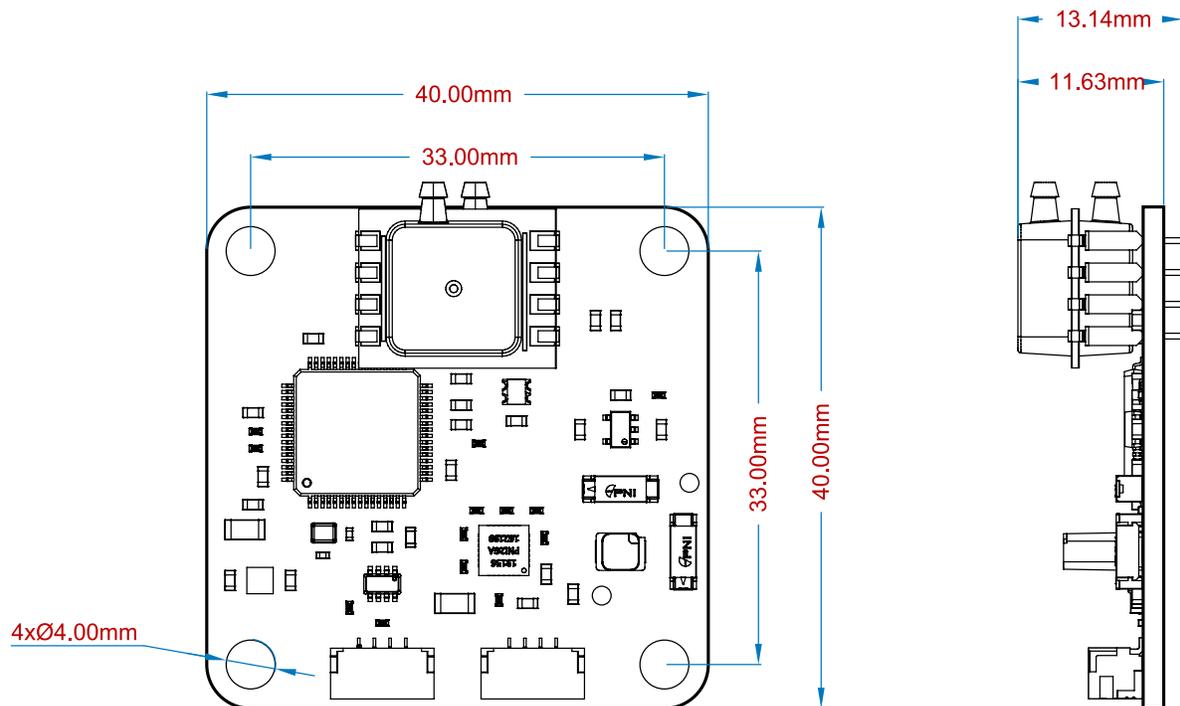
## 6 Packing list

The module comes with following accessories:

- Pitot tube
- 4x Vibration isolators
- 4x nylon M3x10 screws
- JST-GH cable

## 7 Mechanical

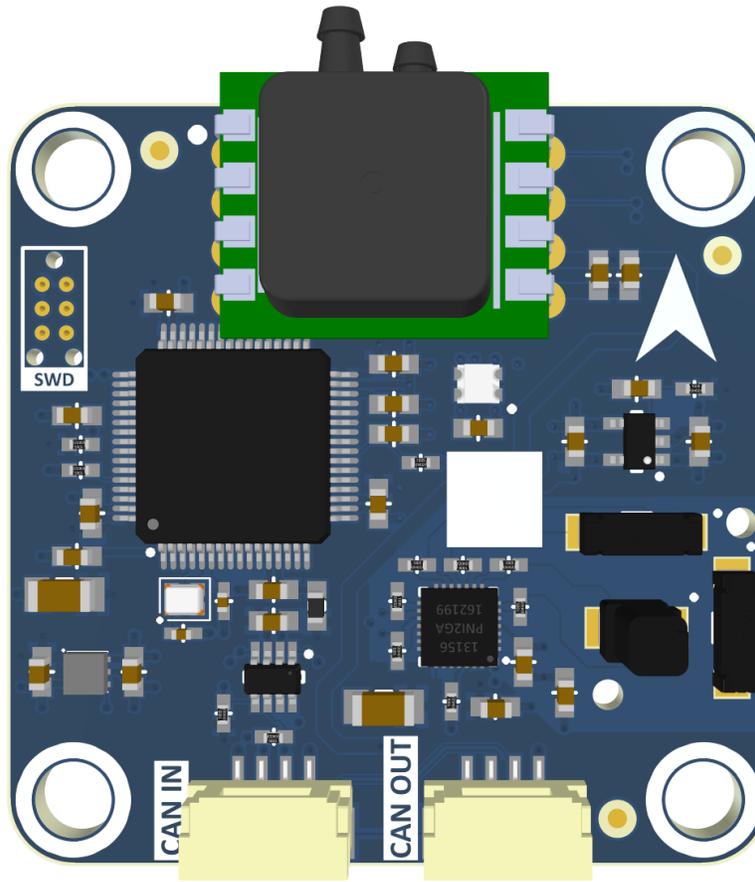
### 7.1 Dimensions



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## 8 Pictures

### 8.1 Top



END OF SECTION