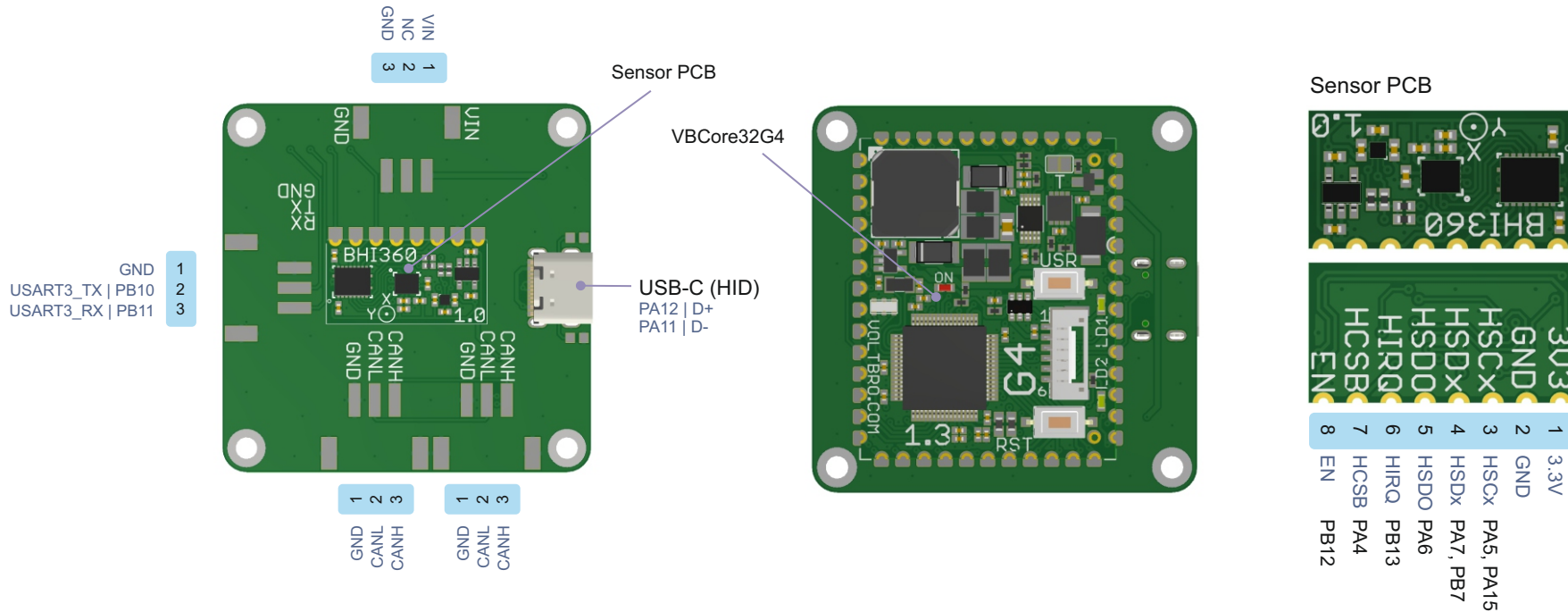


# VBCore BHI360 IMU



## VBCore IMU BHI360

USB-C HID Device

VIN: 7-50V (Optional)

CAN-FD: Optional (Software)

UART: Optional (Software)

Dimensions: 46x46mm

Mount holes: 40x40mm D2.5 mm

IMU IC: BHI360

Magnetic sensor IC: BMM350

## NOTES:

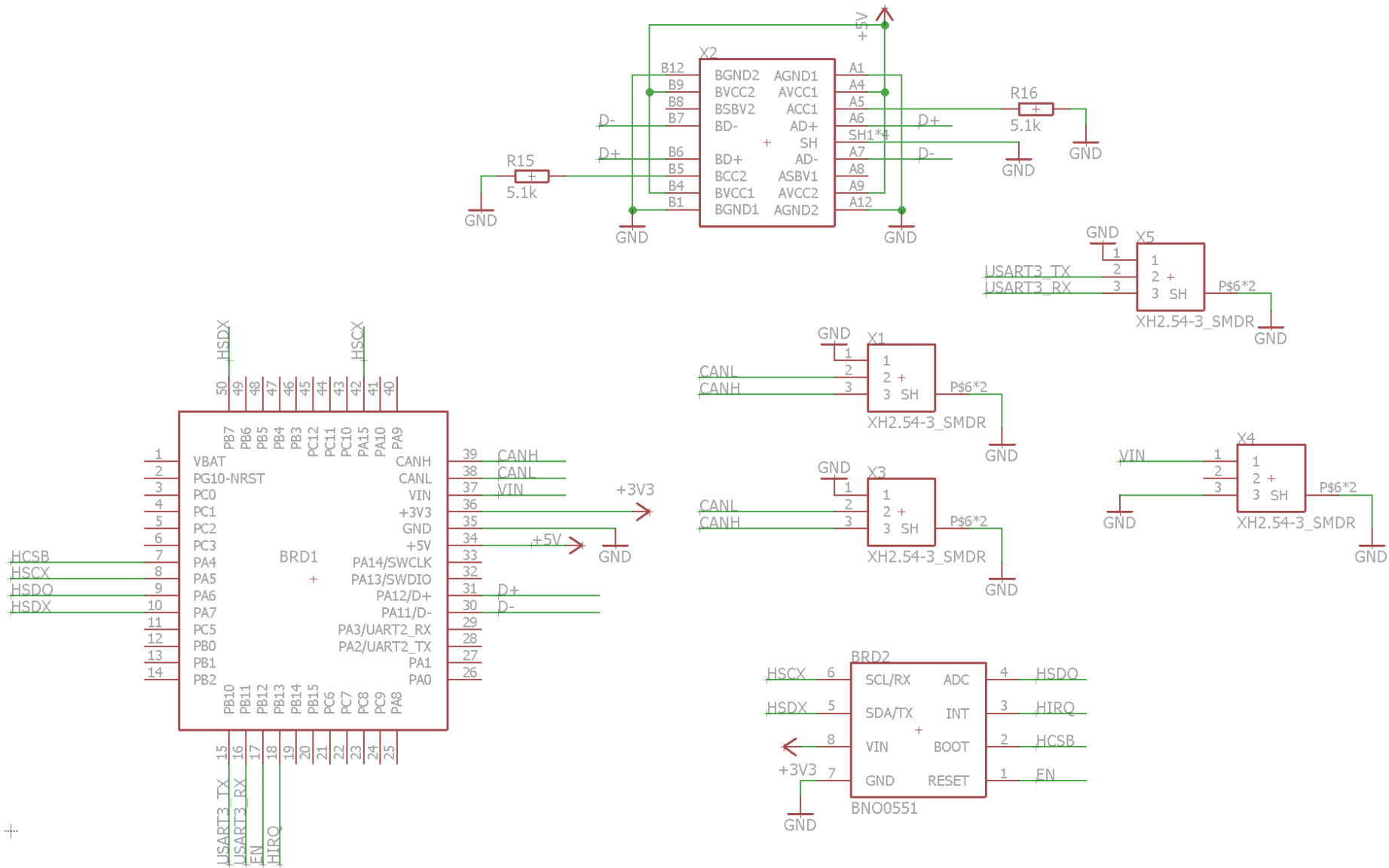
To operate the device, you must first upload the firmware to the microcontroller module using a programmer.

The device comprises three main components: the VBCore32G4 microcontroller module, the sensor module, and the interface board. These components must be assembled by soldering their respective connectors.

The firmware, Linux driver, and ROS packages are available on the official documentation page:  
[www.vbcores.com](http://www.vbcores.com) or [www.vbcores.ru](http://www.vbcores.ru)

The BHI360 sensor is part of Bosch's Smart Sensor family. If you wish to develop custom firmware to unlock the sensor's full capabilities, please consult the official component documentation provided by Bosch. Electrical schematics for the device are included on the following pages.

# VBCore BHI360 IMU module pcb schematic



# VBCore BHI360 IMU sensor pcb schematic v1.0

