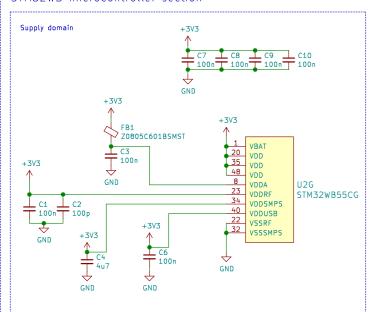


BOOT=0 Default position, connected to GND BOOT=1 Connected to 3.3V

BNO055 9DOF senzor I2C and 32.768 kHz OSC +3V3 1N4148WT BN0055_RESET) S+ 10 BL_IND GND 100n GND C21





SpyPen
This pen uses ST32WB55 wireless Bluetooth LE microcontroller.
Powered by a 1.5 AAAA or AAA battery thanks to MCP1640 stepup to 3.3V 12C connections to peripherals: 1. TI ADS1115 for converting analog FSR04 force input to digital

2. Bosch BN0055 for 9-way motion detection - Accelerometer, Gyroscope, Magnetometer

This is a prototype. It has few unnecessary parts (ST-Link, SMPS, switch), although these parts make debugging easier.

GND1

5 6 GND2 GND3

GND

GND4 2 OUT 1

