

NovaGlider

This schematic is part of the CanSat Belgium competition for the NovaGlider team by the Saint-Barbara College in Ghent.  
This schematic has the STM32F103C8T6 at it's core. It is powered by a single-cell lipo battery that is converted by the TPS63020DSJR (3V3) and a MP28163GQ-P (5V0).

- It's main features are:
- 1) 3x servo
  - 2) BME280 to measure air pressure, humidity and temperature (i2c adress 0x76)
  - 3) MPU9250 9-axis accelerometer, gyrometer and compass (i2c adress 0x68)
  - 4) RFM69HCW 433 mHz radio module (SPI)
  - 5) A micro-SD card
  - 6) UART connector for a GPS module
  - 7) 3 push buttons for general purpose input

Power

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MCU & peripherals

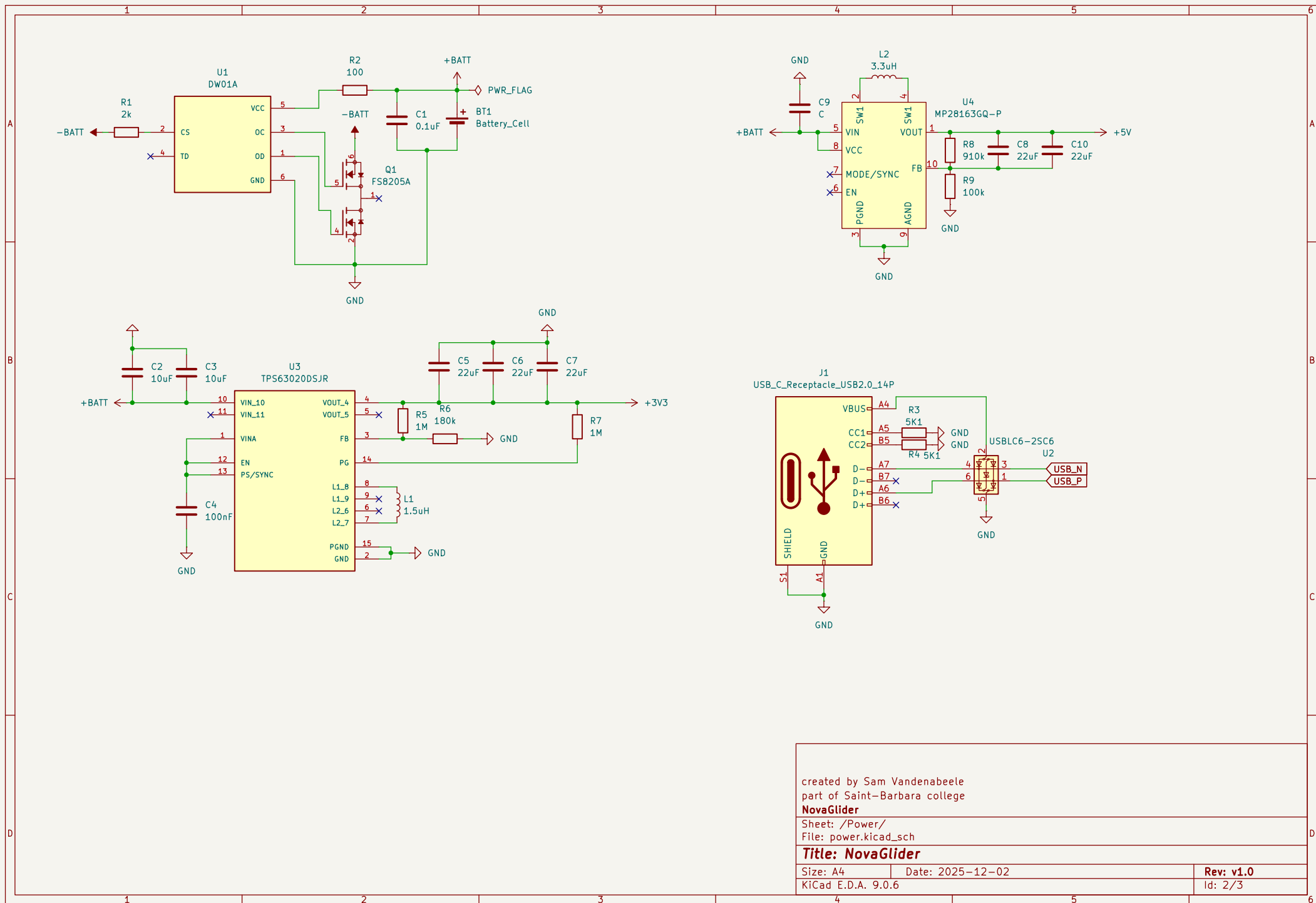
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part of Saint-Barbara college  
**NovaGlider**

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**Title: NovaGlider**

Size: A4	Date: 2025-12-02	Rev: v1.0
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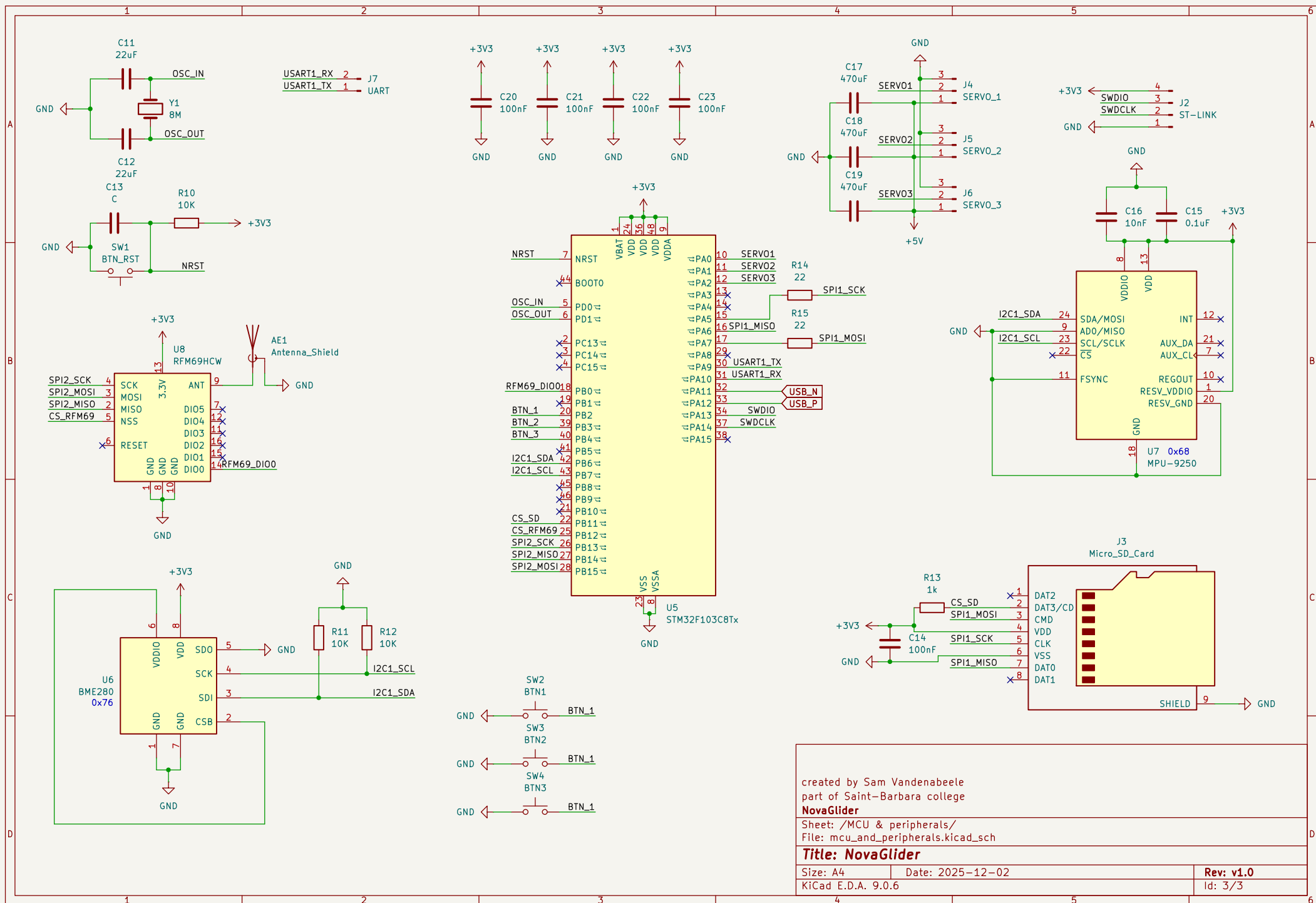
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Rev: v1.0

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