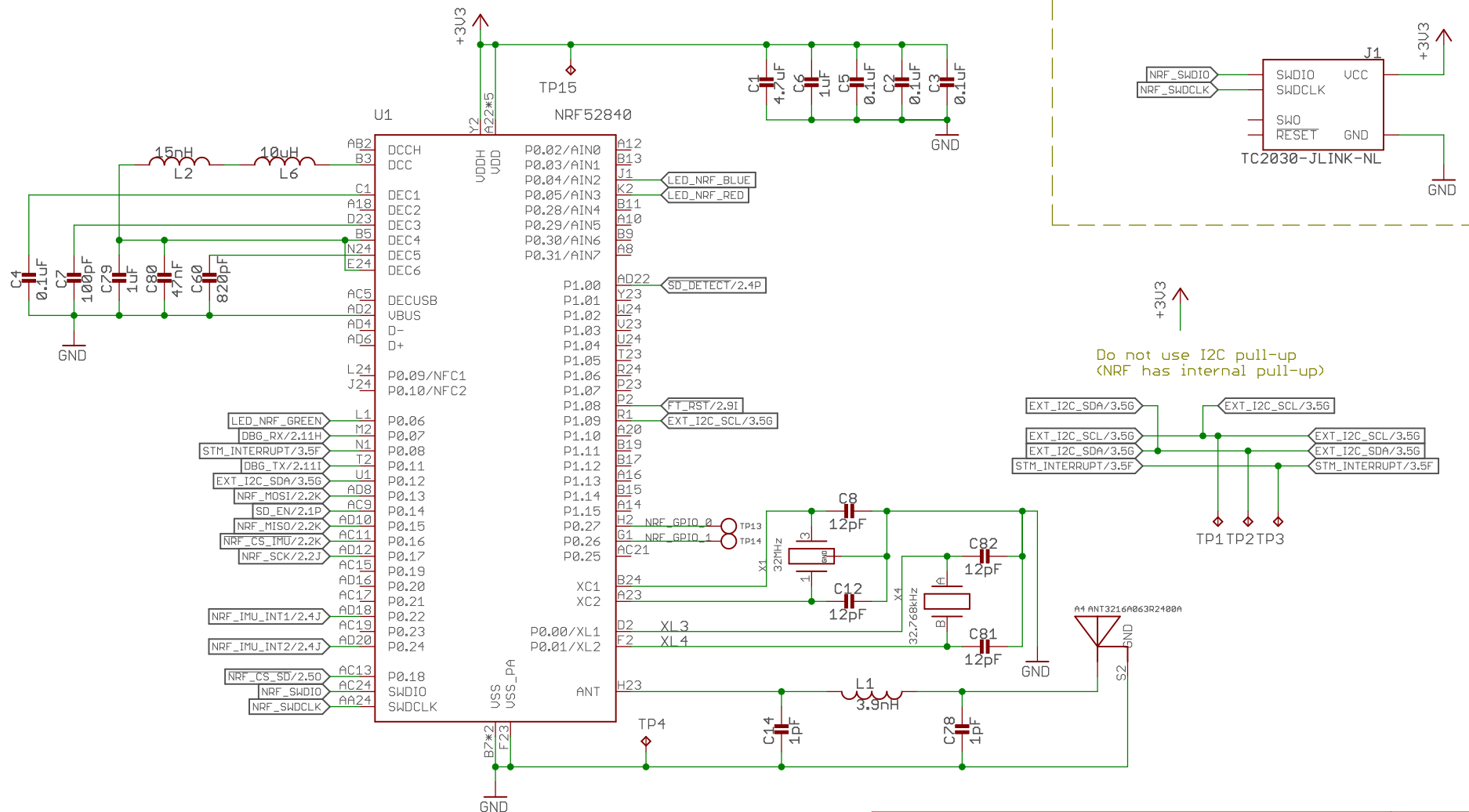
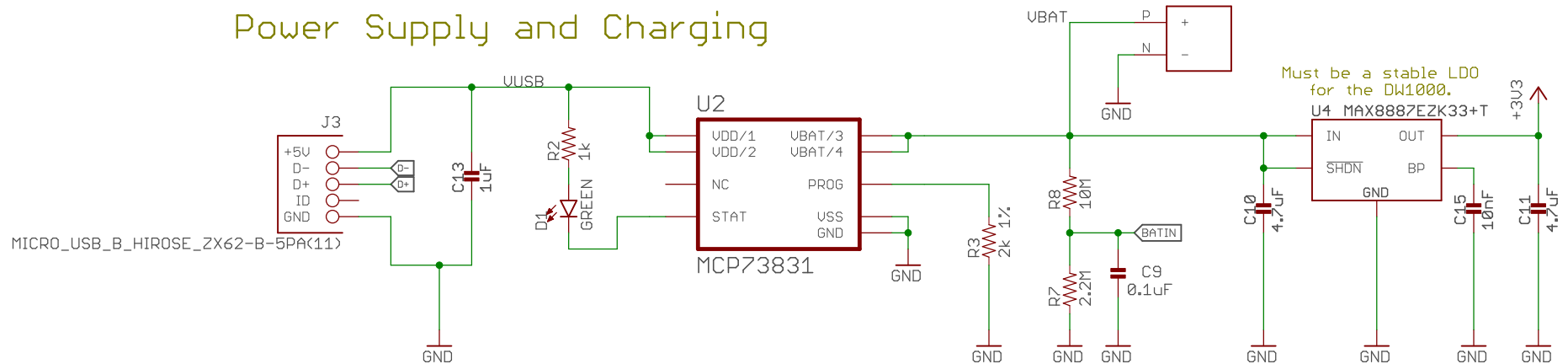


# nRF52840 BLE

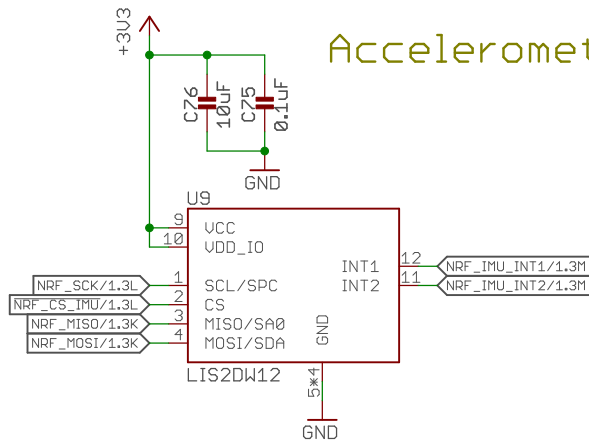


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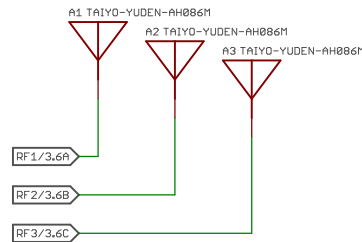
## Power Supply and Charging



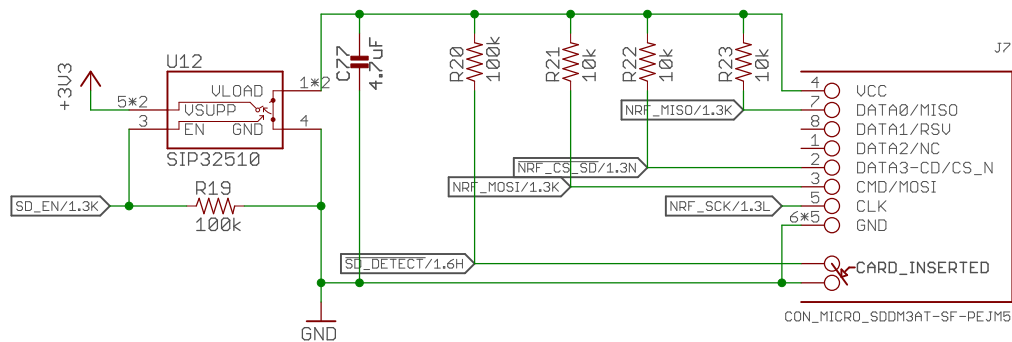
## Accelerometer



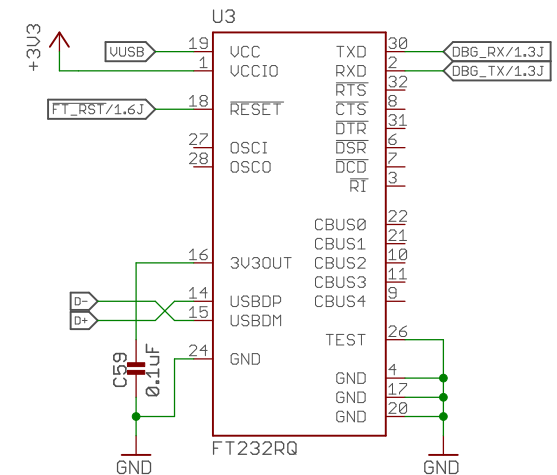
## Antennas



## SD Card Adapter



## USB-Serial



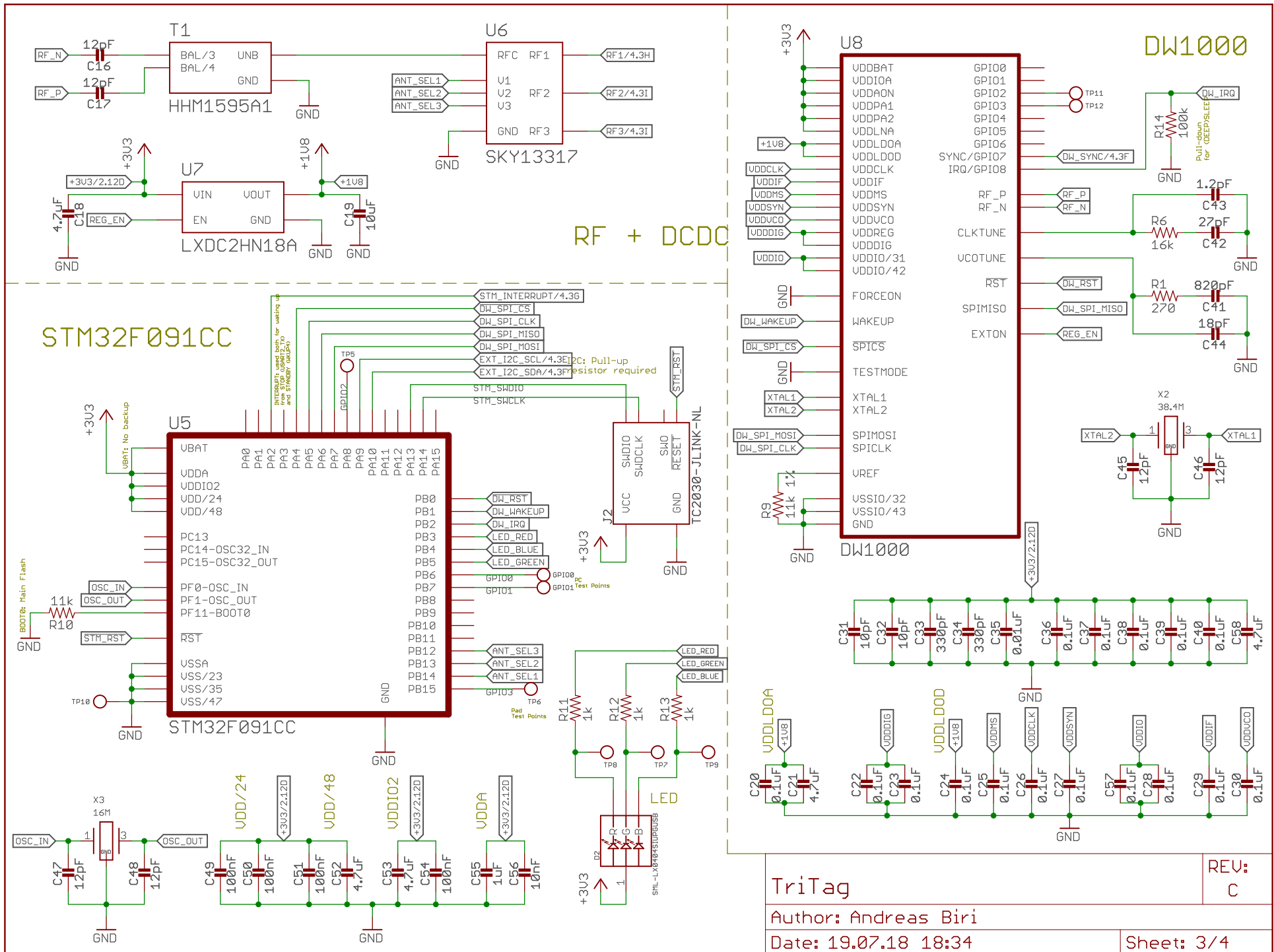
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## EXTERNAL SIGNALS

The following signals must be integrated into all designs.

### Signals

—  EXT\_I2C\_SCL/3.5G

—  EXT\_I2C\_SDA/3.5G

—  DW\_SYNC/3.10C

—  STM\_INTERRUPT/3.5F

Note: Additional I2C pull-up resistor is required.

### Antennas

—  RF1/3.6A


—  RF2/3.6B

—  RF3/3.6C

Guarantee 120° offset in-between antennas.

RF traces should respect the keep-out zone. Furthermore, try to keep them as short as possible.

### Power Supply

—  +3V3/3.10K

Be aware that the DecaWave is voltage sensitive.

We suggest using the "MAX887EZ" regulator. You can find a reference layout in the "MAX887EZ" folder.

signs using the design block:

resistors required to +3V3

antennas to maximize polarization difference and antenna diversity

apout zones and be surrounded by a via shield.  
short and straight as possible

ery sensitive regarding its power supply.

"K33+T" from Maxim Integrated.  
at [github.com/lab11/polypoint/pcb/tritag](https://github.com/lab11/polypoint/pcb/tritag).

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