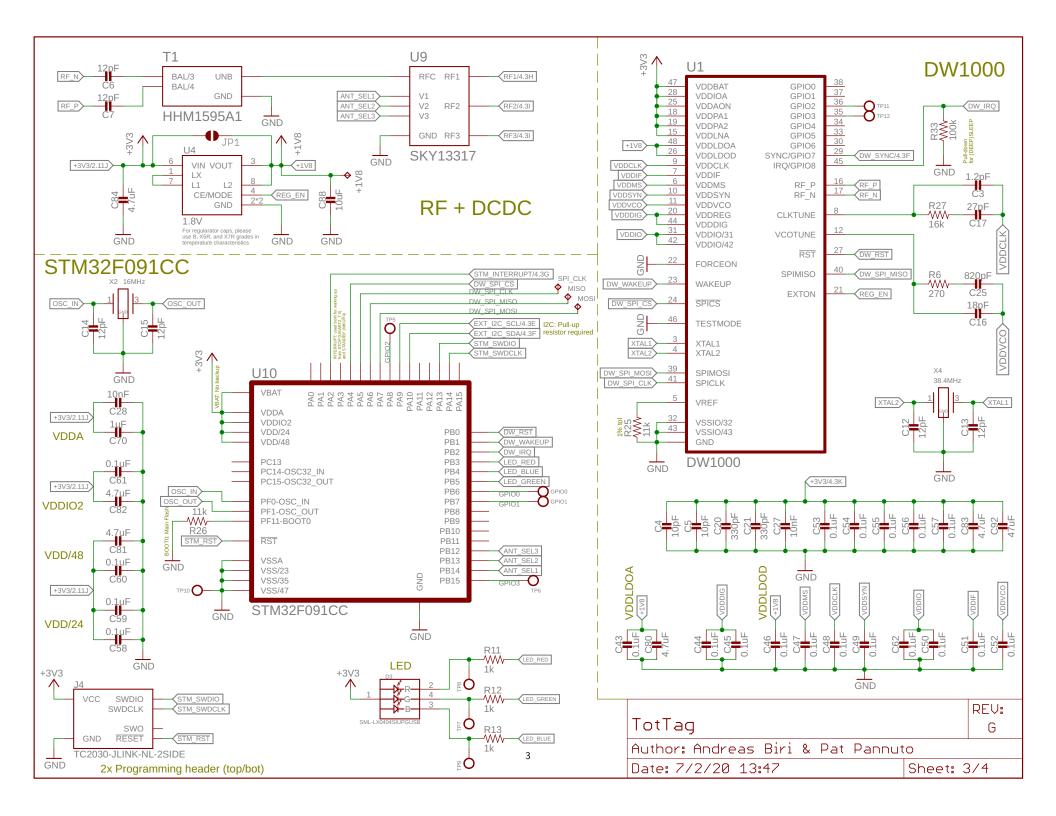


## BATTERY

HCP643450NZC, 3.7V, 1200mah
Bare raw cell: 6.4\*34.5\*50.5mm max. in T\*W\*L
Assemble size: 6.4\*34.5\*50 mm max. in T\*W\*L
Over-charge voltage: 3.0V
Over-discharge voltage: 3.0V
Continuous charge rate: 0.2C
Peak charge rate: 0.2C
Peak discharge rate: 0.2C
Peak discharge rate: 0.2C
Peak discharge rate: 1.7, for 2-3ms
NTC, 10K B=3435
Wire: UL1571-28AWG#, 100mm, from left
Connector: MOLEX87439-3P, positive
PCM added



## **EXTERNAL SIGNALS**

The following signals must be integrated into all designs using the design block:

Signals

EXT I2C SCL/3.6G

Note: Additional I2C pull-up resistors required to +3V3

DW SYNC/3.10C

STM INTERRUPT/3.6F

Antennas

RF1/3.6A

Guarantee 120° offset in-between antennas to maximize polarization difference and antenna diversity

RF2/3.6B RF3/3.6C

RF traces should respect the keepout zones and be surrounded by a via shield.

Furthermore, try to keep them as short and straight as possible

**Power Supply** 

+3V3/3.10K

Be aware that the DecaWave is very sensitive regarding its power supply.

We suggest using the "MAX8887EZK33+T" from Maxim Integrated.

You can find a reference layout at github.com/lab11/totternary/hardware/tottag.

	_	REV:
TotTag		G

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Date: 7/2/20 13:47 Sheet: 4/4

