

This is a 4056 charge controller board that implements current limit and overvoltage protection. I should have got one that did undervoltage too. In which case load and battery are on separate output pin pairs

A moteino is an arduino board with a RFM69 915MHz radio module soldered on the back. I see a couple of hundred metres around the farm from the RFM69 And up to 5 Km for the RFM95 LoRa guys at slow baud.

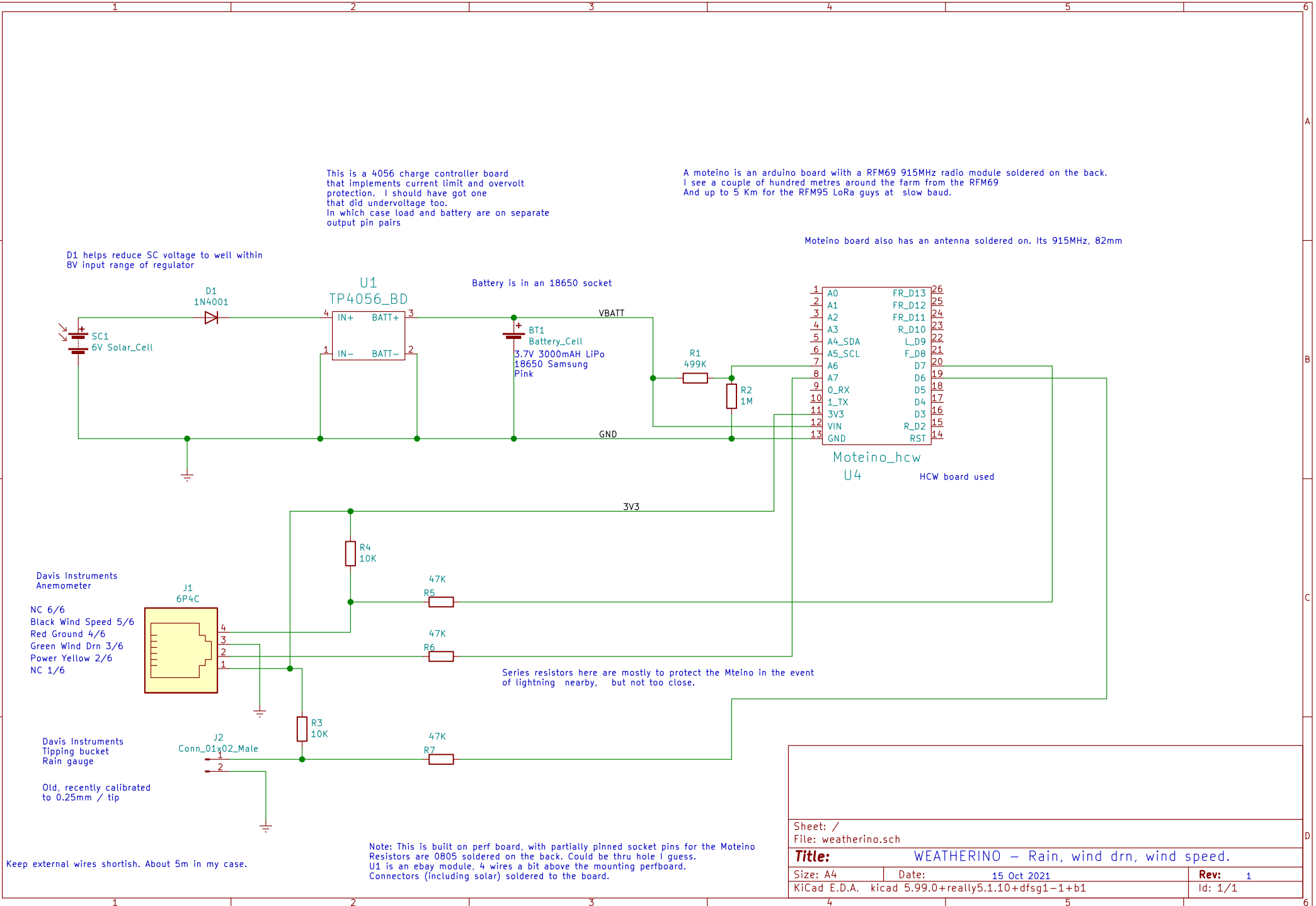
Moteino board also has an antenna soldered on. Its 915MHz, 82mm

D1 helps reduce SC voltage to well within 8V input range of regulator

Battery is in an 18650 socket

Moteino_hcw
U4
HCW board used

Series resistors here are mostly to protect the Mteino in the event of lightning nearby, but not too close.



Sheet: /

File: weatherino.sch

Title: WEATHERINO - Rain, wind drn, wind speed.

Size: A4

Date: 15 Oct 2021

Rev: 1

KiCad E.D.A. kicad 5.99.0+really5.1.10+dfsg1-1+b1

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