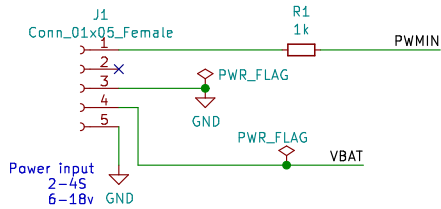


# Beetleweight motor back ESC



- TODO:
1. Work out what kind of connector(s) to use
  1. Check board dimensions with physical mockup
  1. Make sure enough space for attiny13 soic8 test-clip – for ISP
  1. Check that hi-current paths are wide enough / as possible

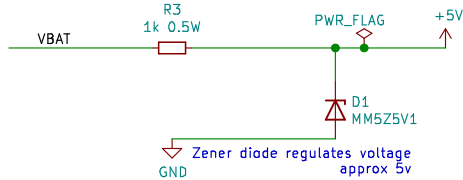
Combined signal / power connector



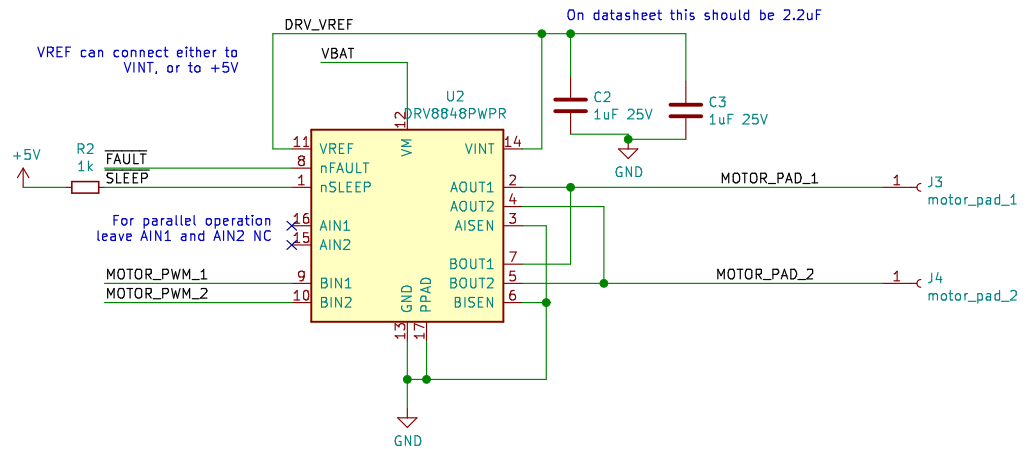
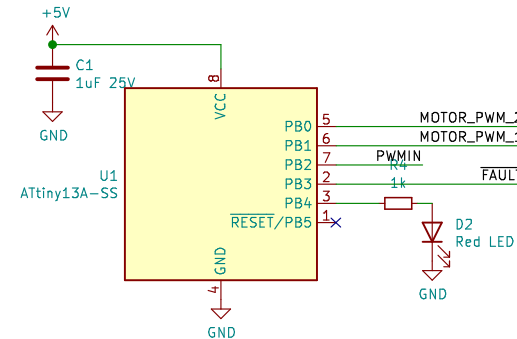
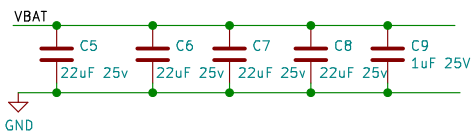
NB: this should not cause damage if fitted the opposite way.

$(18v - 5v) / 330ohm = 39mA$   
 $(18v - 5v) / 1kohm = 13mA$

Regulation



VBAT decoupling



Sheet: /	
File: beetleback.kicad_sch	
<b>Title: Beetle Motor Back ESC</b>	
Size: A4	Date: 2020-05-21
KiCad E.D.A. kicad 5.99.0-unknown-236ab16dd106ubuntu18.04.1	Rev: 1/1