



**NOTES:**

- (1) Input is a 12V battery pack.
- (2) Outputs
  - (a) Vout\_12V is for if we decide to use a 12V motor later
  - (b) Vout\_7V is for the current RC car motor + servo power
  - (c) Vout\_5V is for the sonar
  - (d) Vout\_3.3V is for the nav board and redboard
- (3) F1 and F2 are resettable fuses for overcurrent protection
- (3) U1-U3 are buck converters, chosen for their efficiency over an LDO

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File: powerDistribution.kicad\_sch

**Title: Team 11 PDU**

Size: A4 Date: 2024-10-24

KiCad E.D.A. 8.0.6

**Rev: 0.1**

Id: 1/1