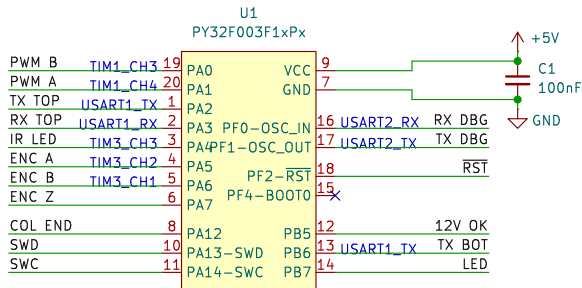
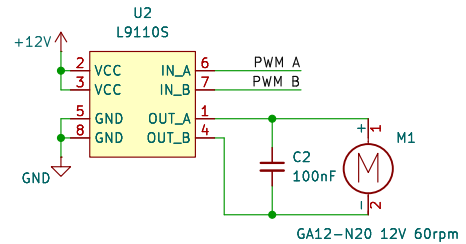


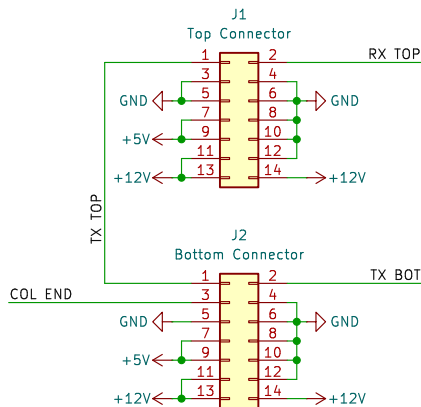
Microcontroller



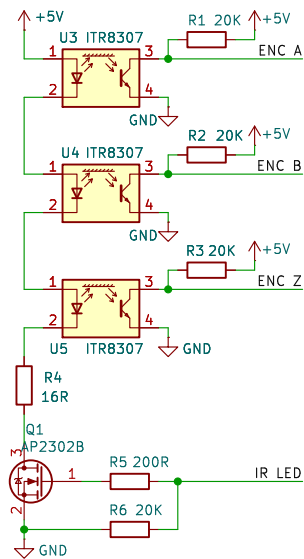
Motor Controller



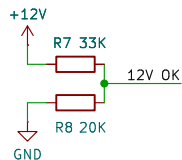
Top & Bottom Connector



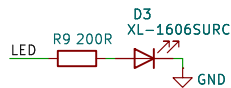
IR Optical Encoder



12V ok



LED



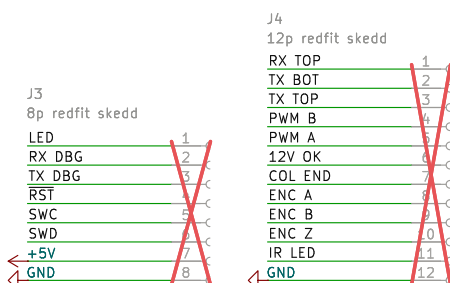
$$V_s = 5V$$

$$V_f = 1.275V$$

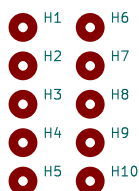
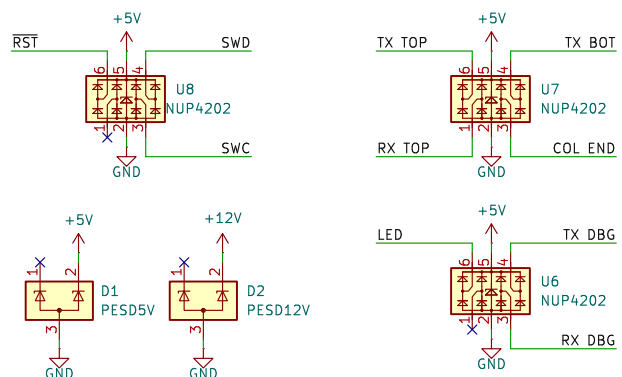
$$I_f = 75mA$$

$$R_4 = [V_s - (3 \times V_f)] / I_f = 16 \text{ Ohm}$$

Debug



ESD



Designer: Toon Van Eyck
Repo: github.com/ToonVanEyck/OpenFlap
Commit: v0.0.0-unstable-167-g0c5f151-dirty
OpenFlap
Sheet: /
File: side_panel.kicad_sch
Title: Side Panel
Size: A4 Date: 2025-08-27
KiCad E.D.A. 8.0.6



Rev: 7.1.0
Id: 1/1