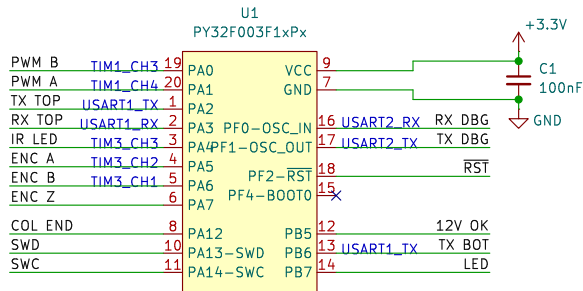
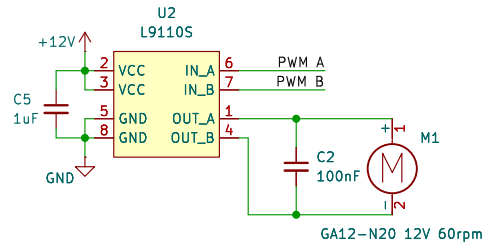


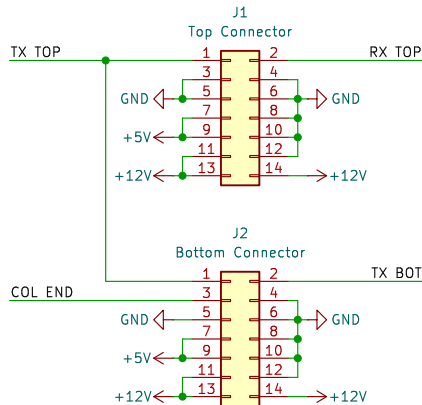
Microcontroller



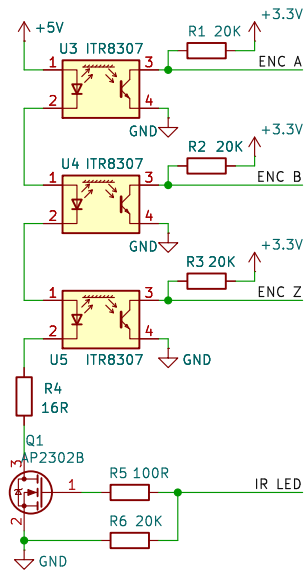
Motor Controller



Top & Bottom Connector



IR Optical Encoder



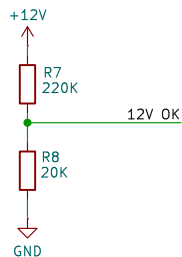
$$V_s = 5V$$

$$V_f = 1.275V$$

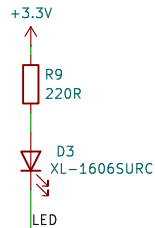
$$I_f = 75mA$$

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

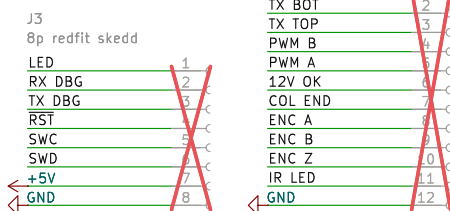
12V ok



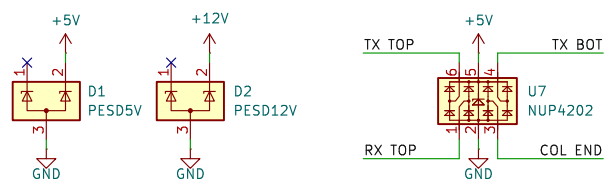
LED



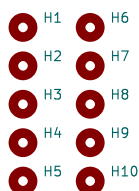
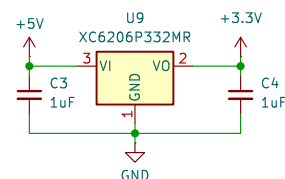
Debug



ESD



Power



Designer: Toon Van Eyck
Repo: github.com/ToonVanEyck/OpenFlap
Commit: v0.0.0-unstable-181-gc8e030b-dirty
OpenFlap
Sheet: /
File: side_panel.kicad_sch
Title: Side Panel
Size: A4
KiCad E.D.A. 8.0.6



Rev: 7.3.0
Id: 1/1