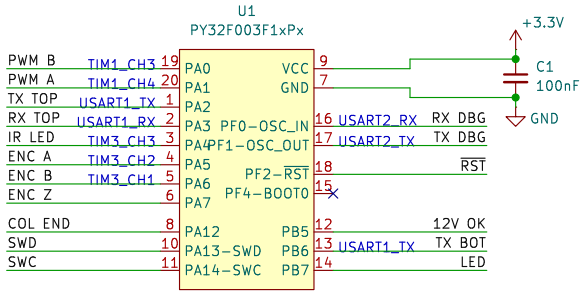
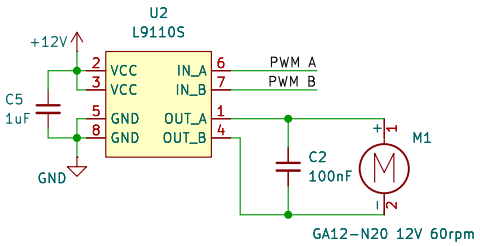
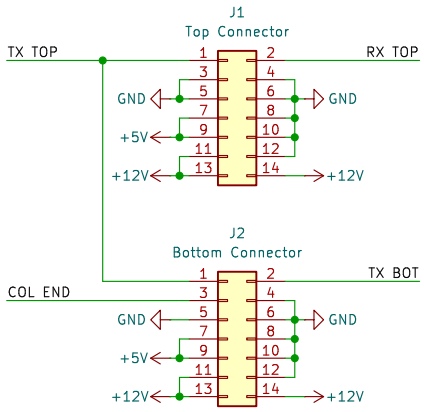
Microcontroller



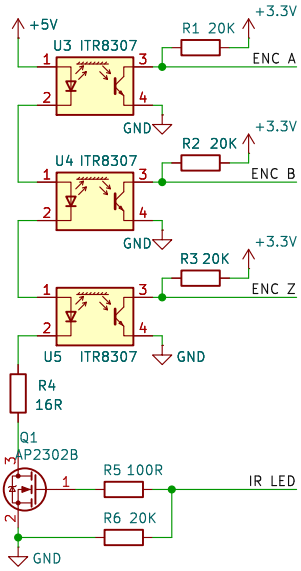
Motor Controller



Top & Bottom Connector

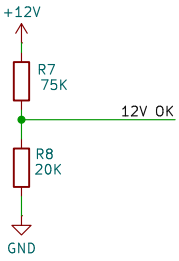


IR Optical Encoder

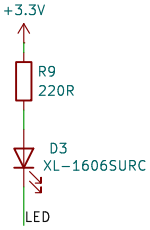


Vs = 5V
Vf = 1.275V
If = 75mA
R4 = [Vs - (3 x Vf)] / If = 16 Ohm

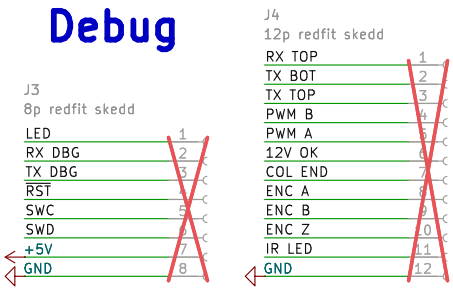
12V ok



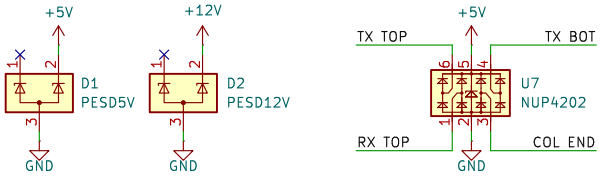
LED



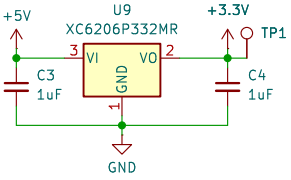
Debug

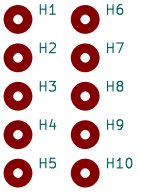


ESD



Power





Designer: Toon Van Eyck
Repo: github.com/ToonVanEyck/OpenFlap
Commit: v0.0.0-unstable-212-g01ceea7-dirty
OpenFlap

Sheet: /
File: side_panel.kicad_sch

Title: Side Panel

Size: A4	Date: 2025-11-12	**Rev: 7.3.2**
KiCad E.D.A. 8.0.6		Id: 1/1