

[illegible]

Power DC/DC
12V To 5V 2A Buck convertor.

The schematic diagram illustrates a 12V to 5V 2A Buck converter circuit. The input is +12V, which is connected to the VIN pin (pin 1) of the XL1509-5.0 buck converter (U1). A 22uF capacitor (C4) is connected in parallel with the input. The EN pin (pin 4) is connected to the input line. The GND pin (pin 5) is connected to the common ground. The output of the converter (pin 2) is connected to the OUT pin (pin 3) and the positive terminal of a 68uH inductor (L1). The negative terminal of the inductor is connected to the positive terminal of a Schottky diode (D1, SS210). The cathode of the diode is connected to the common ground. The output of the diode is connected to the positive terminal of a 100uF capacitor (C1), which is also connected to the common ground. The output voltage is +5V. The common ground is labeled GND.

Designer: Toon Van Eyck
Repo: github.com/ToonVanEyck/OpenFlap
Commit: v0.0.0-unstable-136-gc981a45-dirty

OpenFlap

Sheet: /
File: top_connector.kicad_sch

Title: Top Connector

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H1 MountingHole



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Id: 1/1