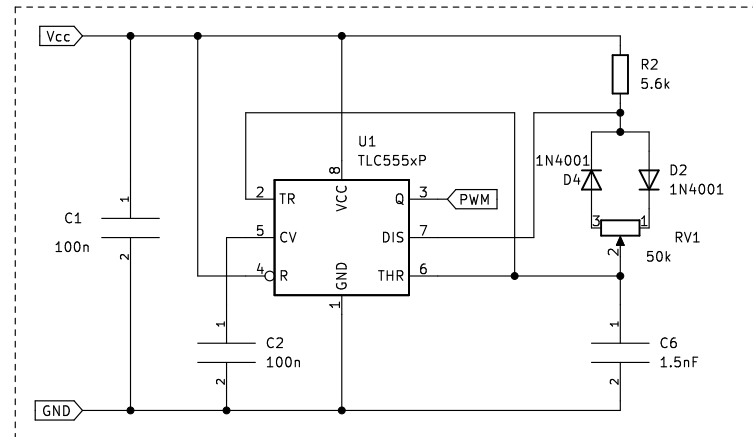
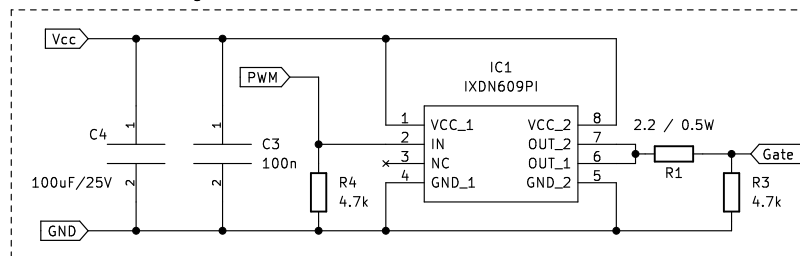


The schematic diagram illustrates the control circuit power supply connector. It shows a switch SW1 (SW_DIP_x01) controlled by JP1. The circuit includes two 100uF/25V capacitors (C8, C5), a 1N4001 diode (D3), a 1k resistor (R5), and an LED (D5). Power is supplied from Supply1+ and Supply2+ to Vcc, and grounded to GND.

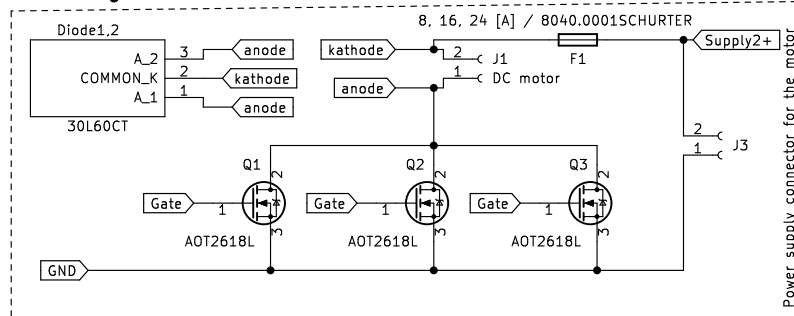
PWM generator stage



MOSFET Driver Stage



Power stage



MAX output current :
 - 6A (Q1)
 - 12A (Q1, Q2)
 - 18A (Q1, Q2, Q3)
**** These values can increase by
 + 4A/FET, using a BIG heatsink!**

Use 12AWG capable connectors!!!
It can handle 20A + safety margin.

PCB Terminal block example: DG636-6.35-02P-14-00A(H)DEGSON ELECTRONICS