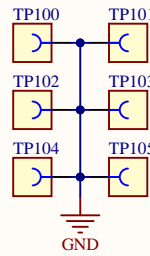
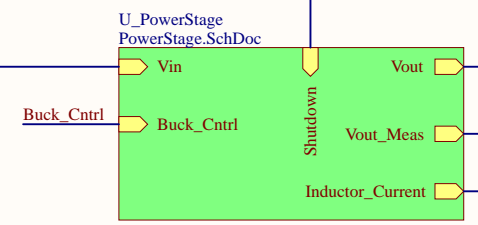
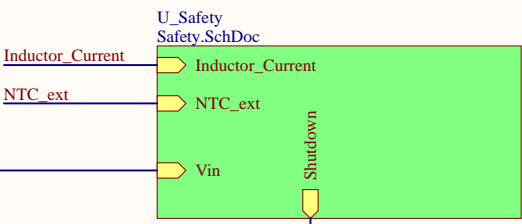
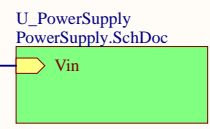


02_Top_Level.SchDoc



Jumper to select which NTC can be read by the Arduino

Nominal Input Voltage: 12 - 20 V
Absolute Maximum: -60 V to +60 V

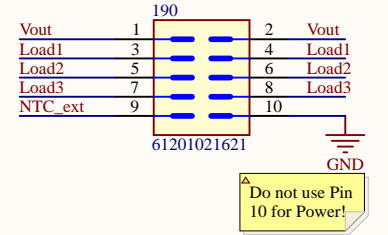


Nominal Output Voltage: 0 - 40 V
(shutdown at 45 V, clamping at 50 V)

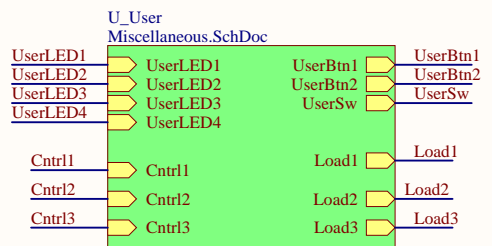
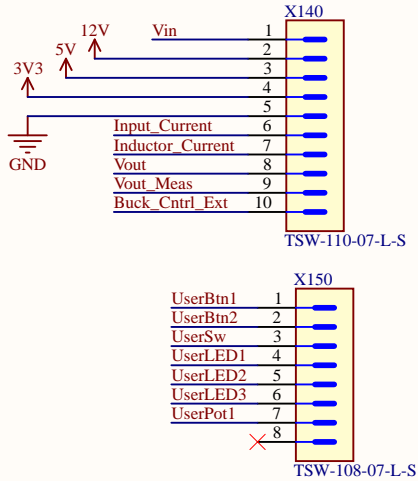


Load resistor connection

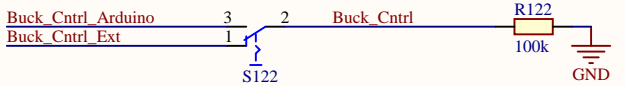
If no external NTC should be used, simply leave NTC_ext open



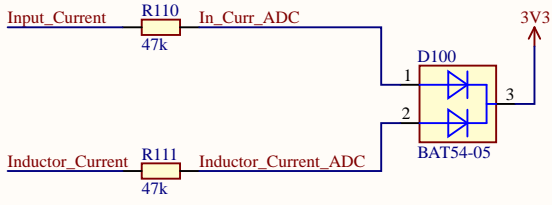
Control Pinheader



Switch determines the Buck Control

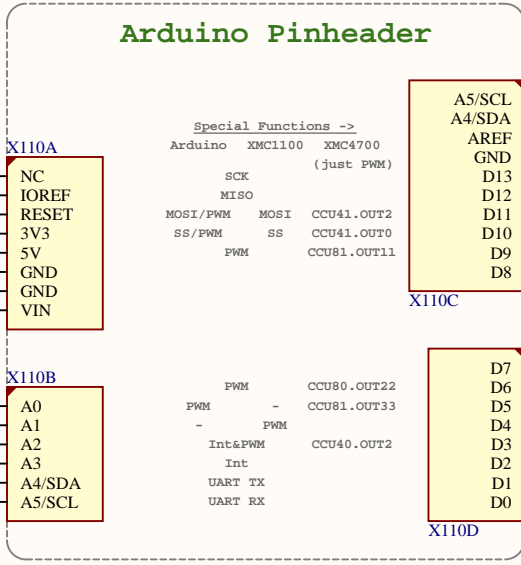
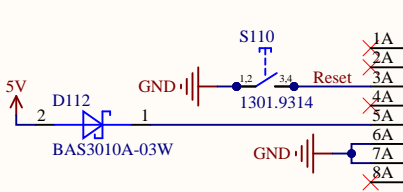


Clamp voltage for ADC. Max. 3.5 V

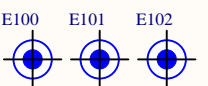
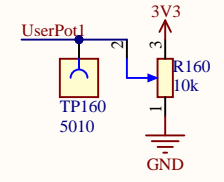
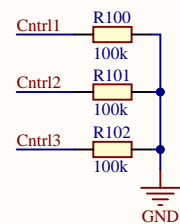


Arduino Pinheader

Short this only for MCUs with 5V that support AREF

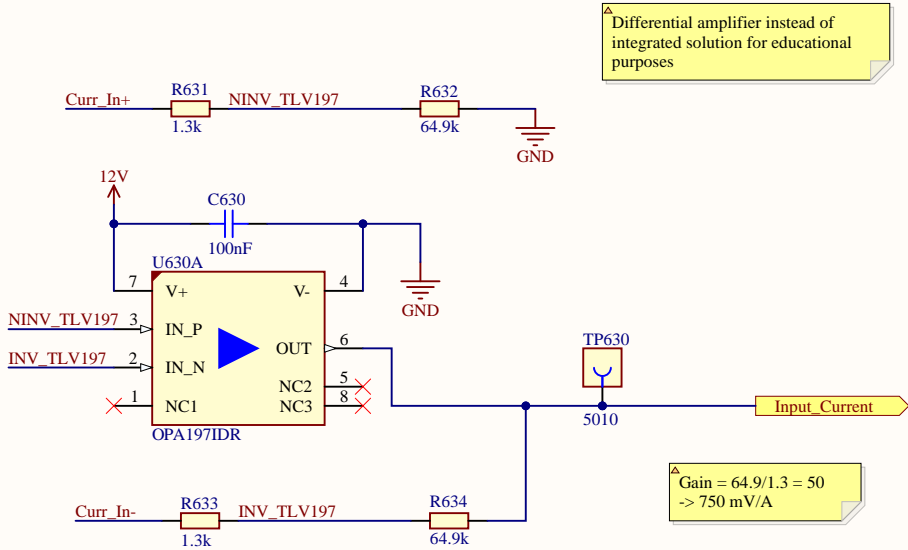


Read-only



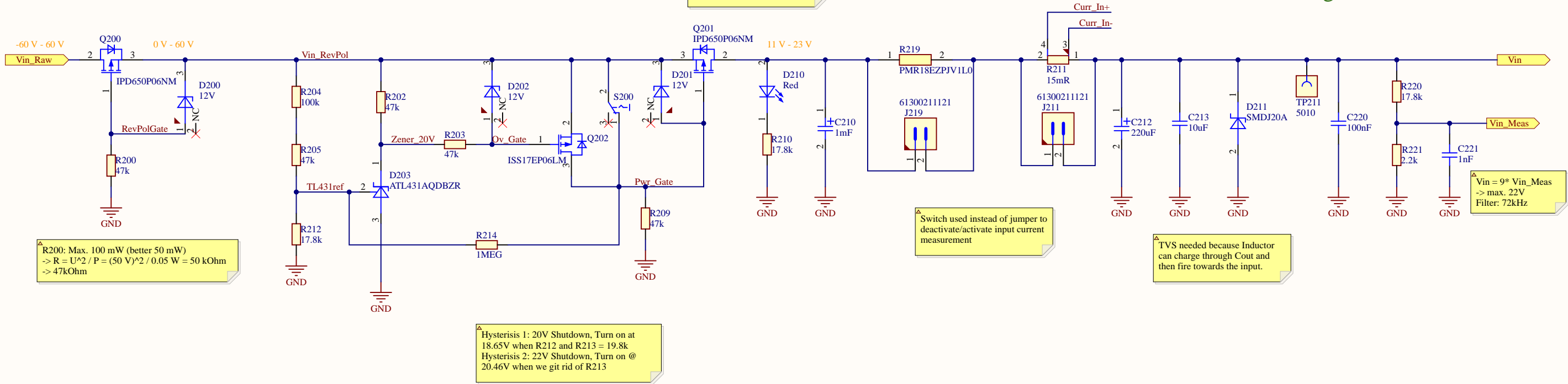
Infineon Technologies AG
IFAG DES SDF SCS EPE
Am Campeon 1-12 - 85579 Neubiberg - Germany

Input.SchDoc



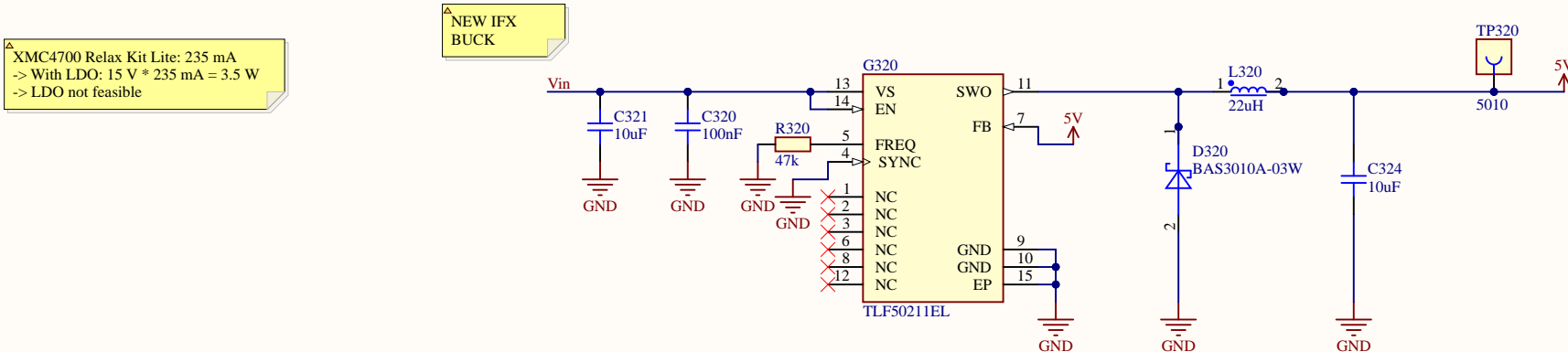
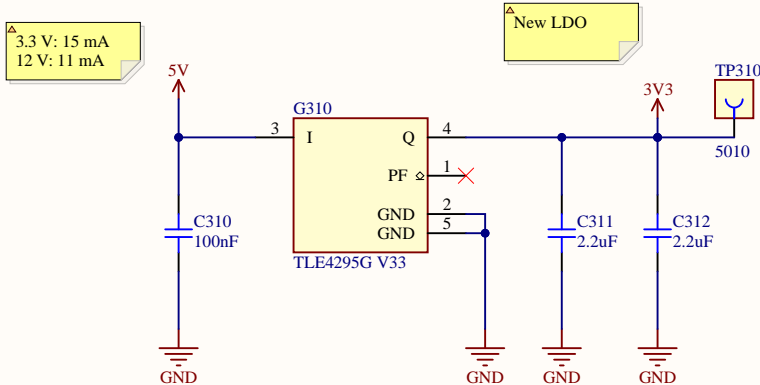
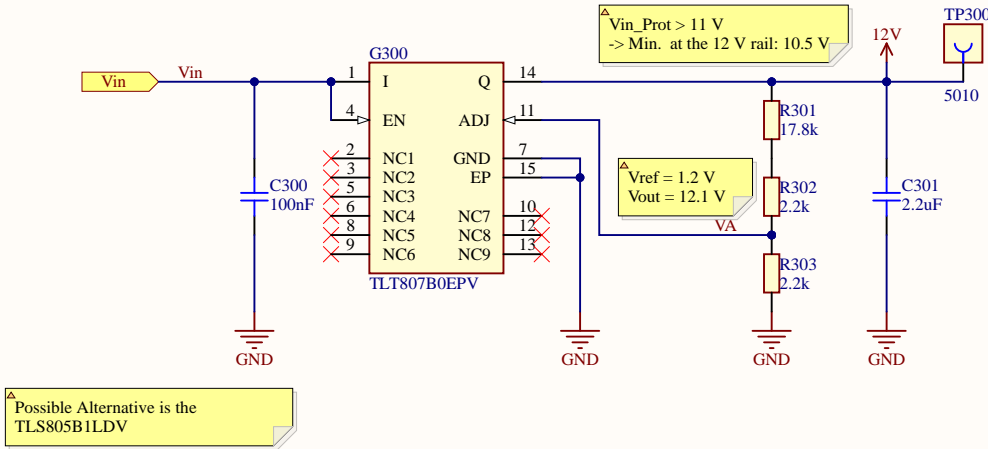
Reverse-Polarity Protection

Over-Voltage Protection

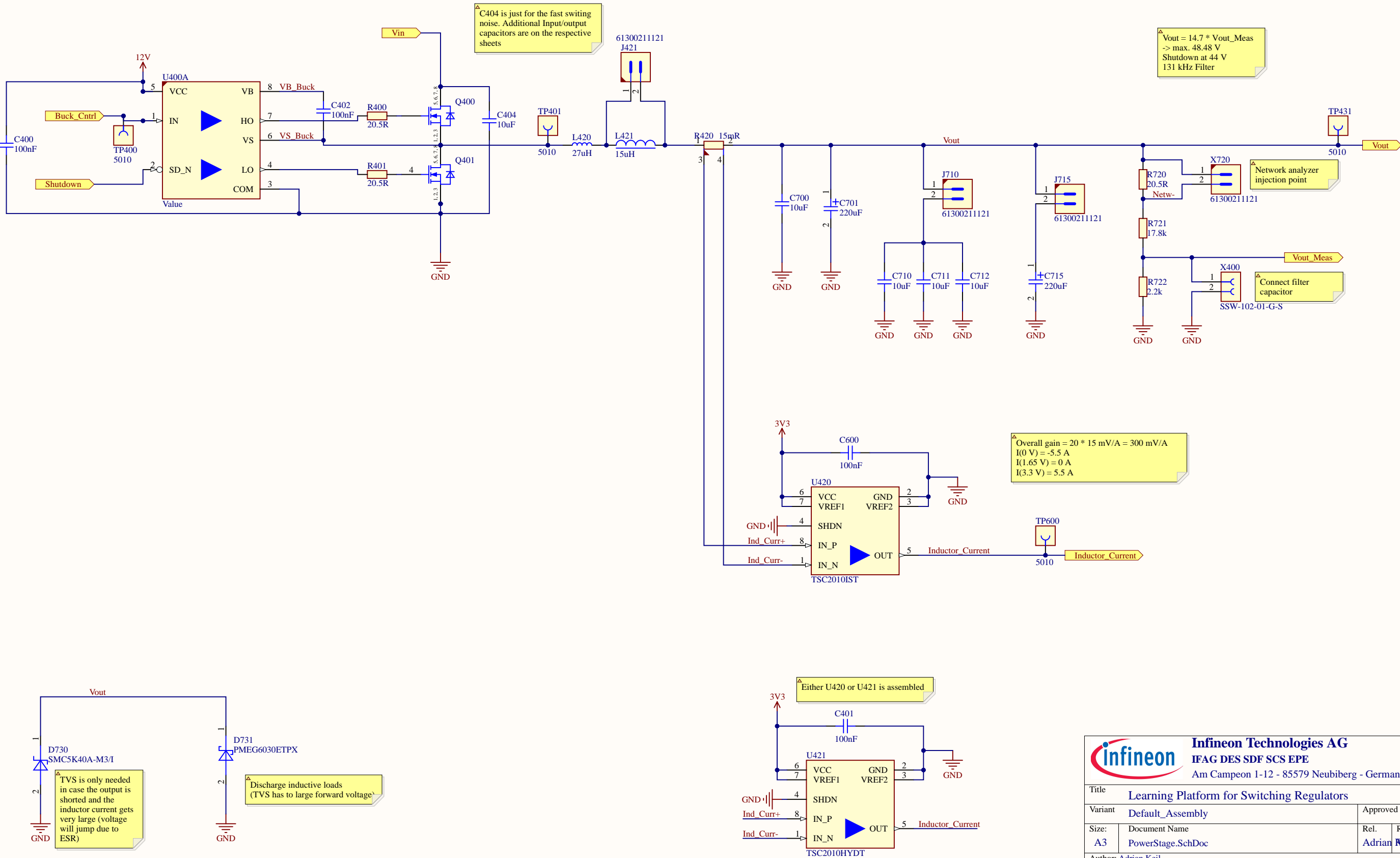


Voltage Measurement

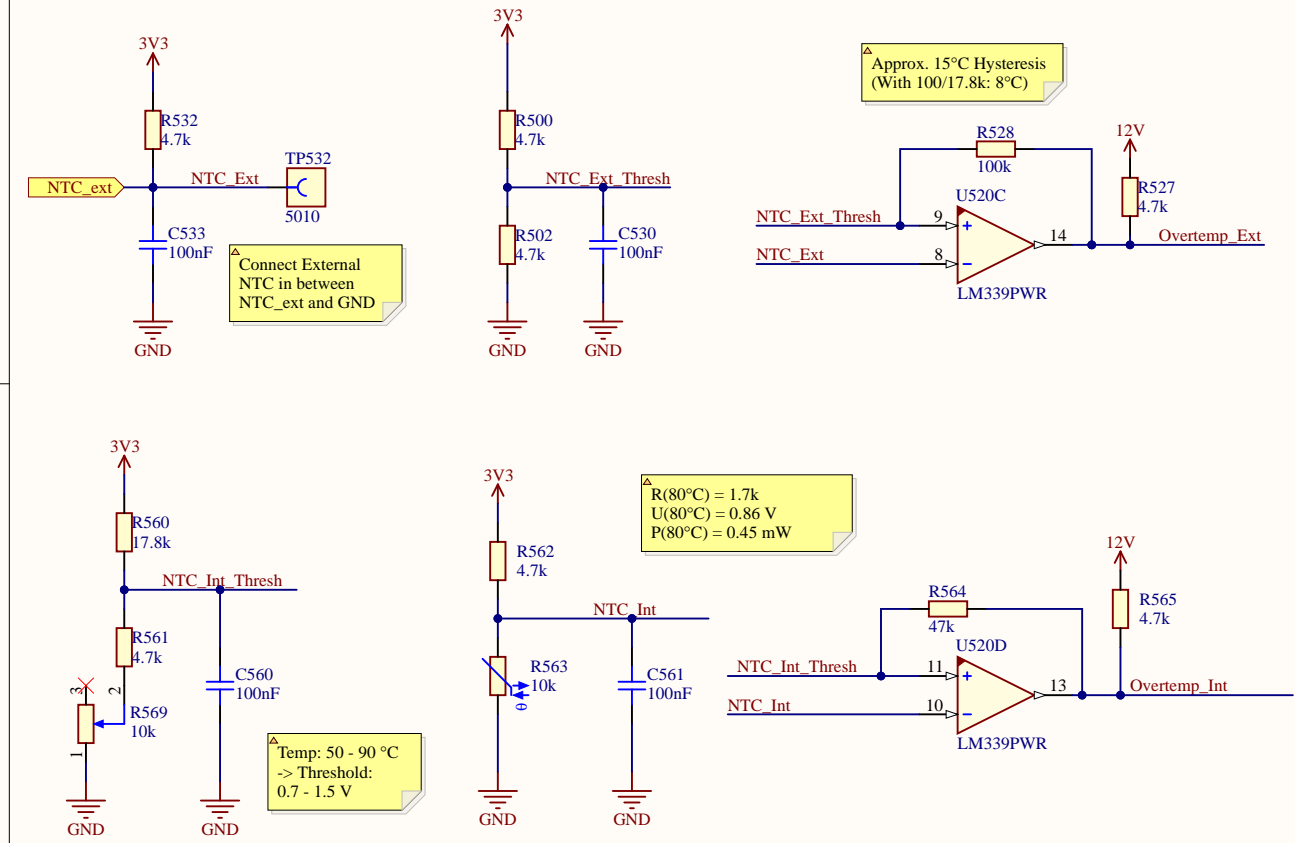
PowerSupply.SchDoc



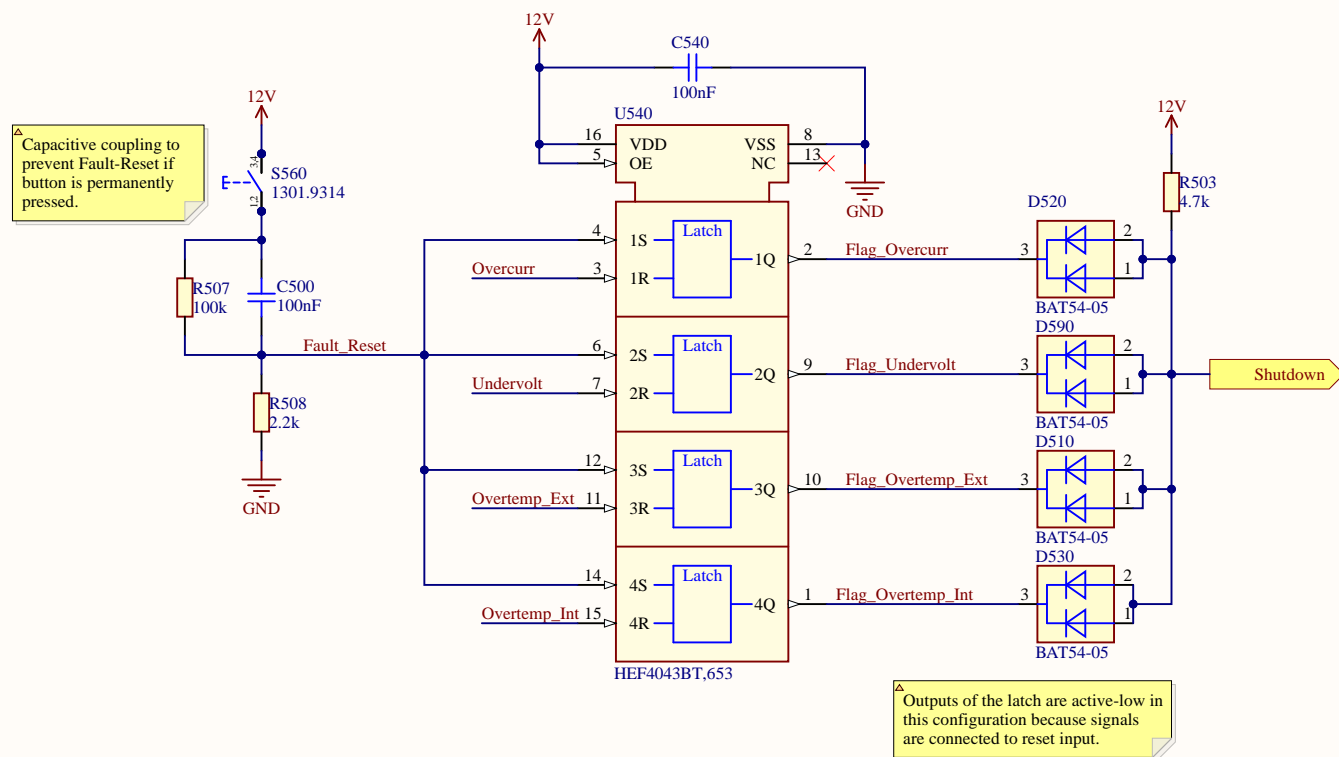
PowerStage.SchDoc



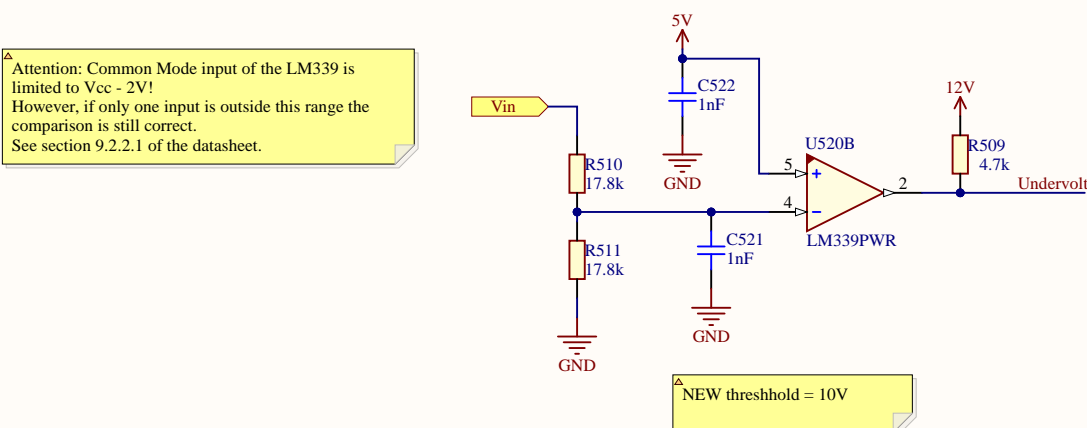
Over-Temperature



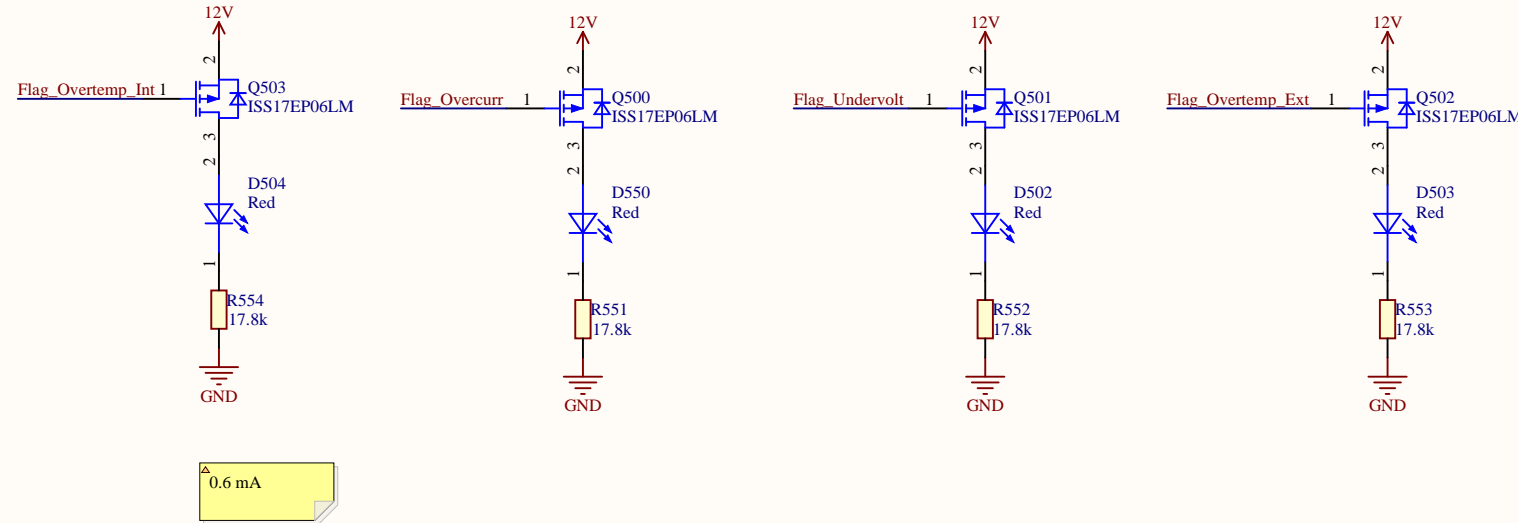
Safety-Latch



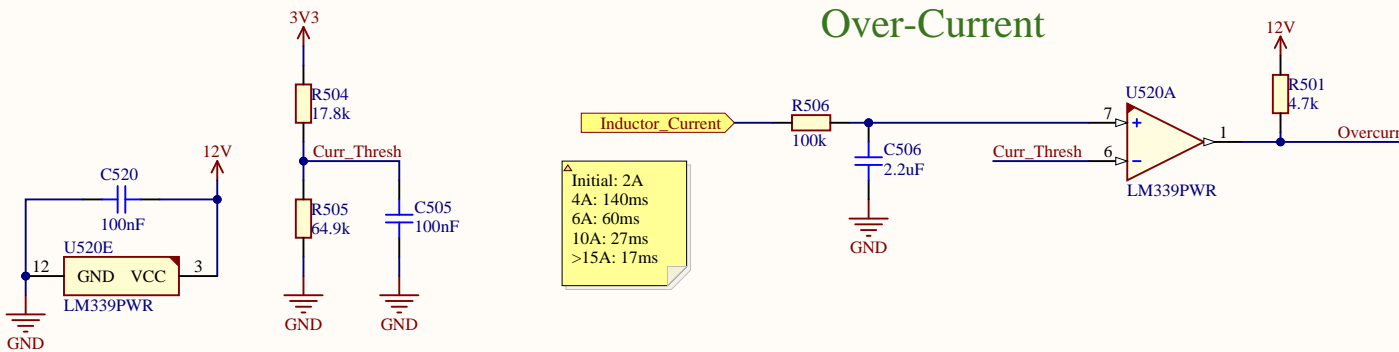
Under-Voltage



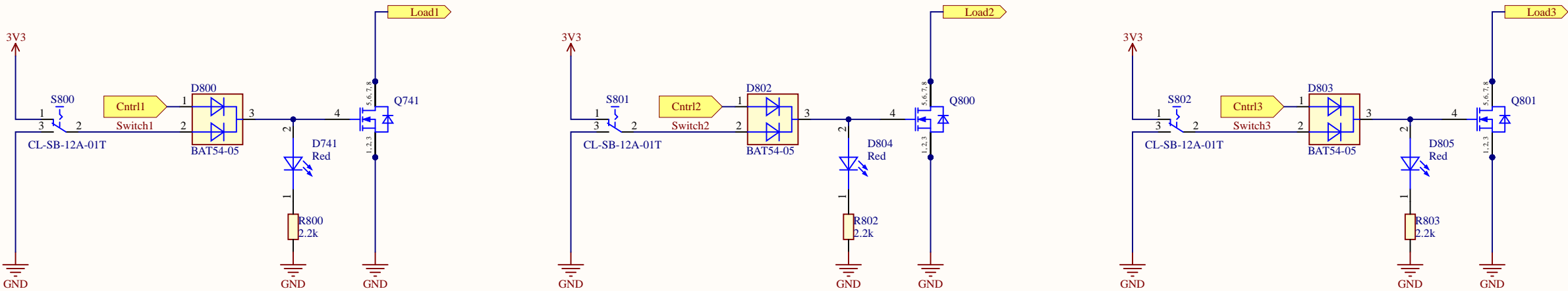
Status-LEDs



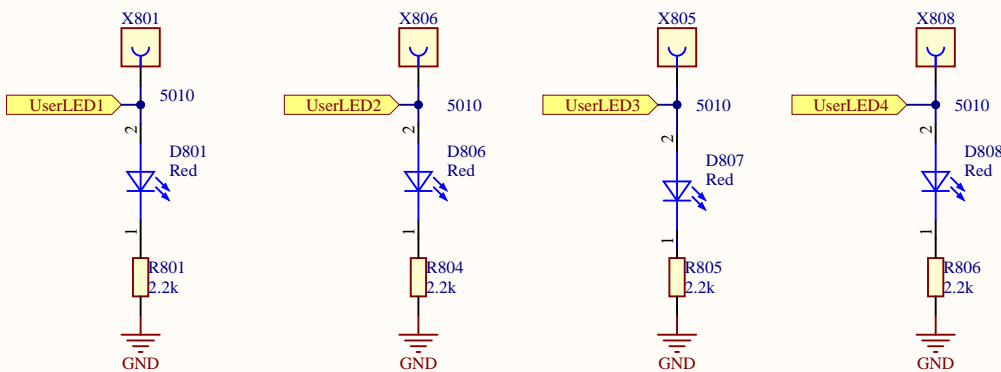
Over-Current



Output Stages



User LEDs



User Buttons and Switch

