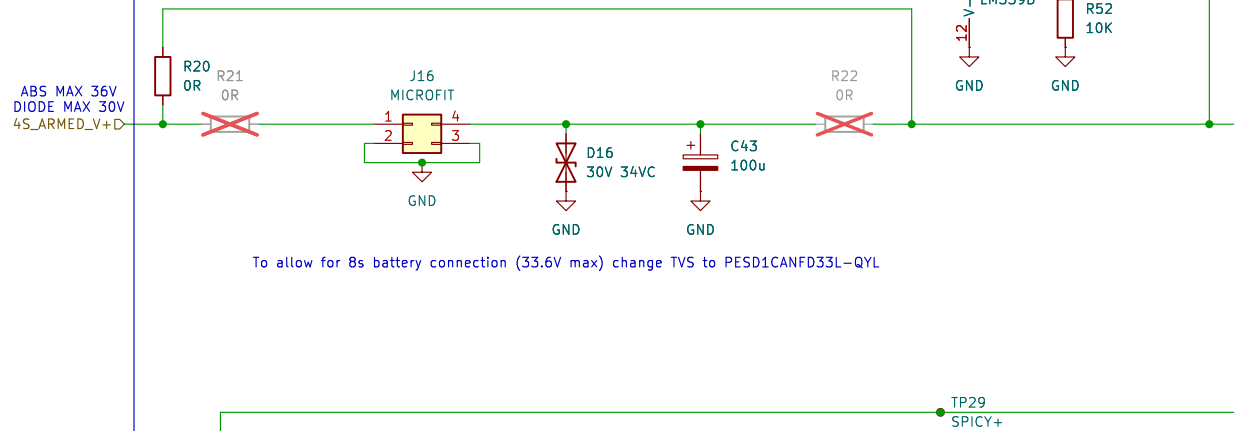


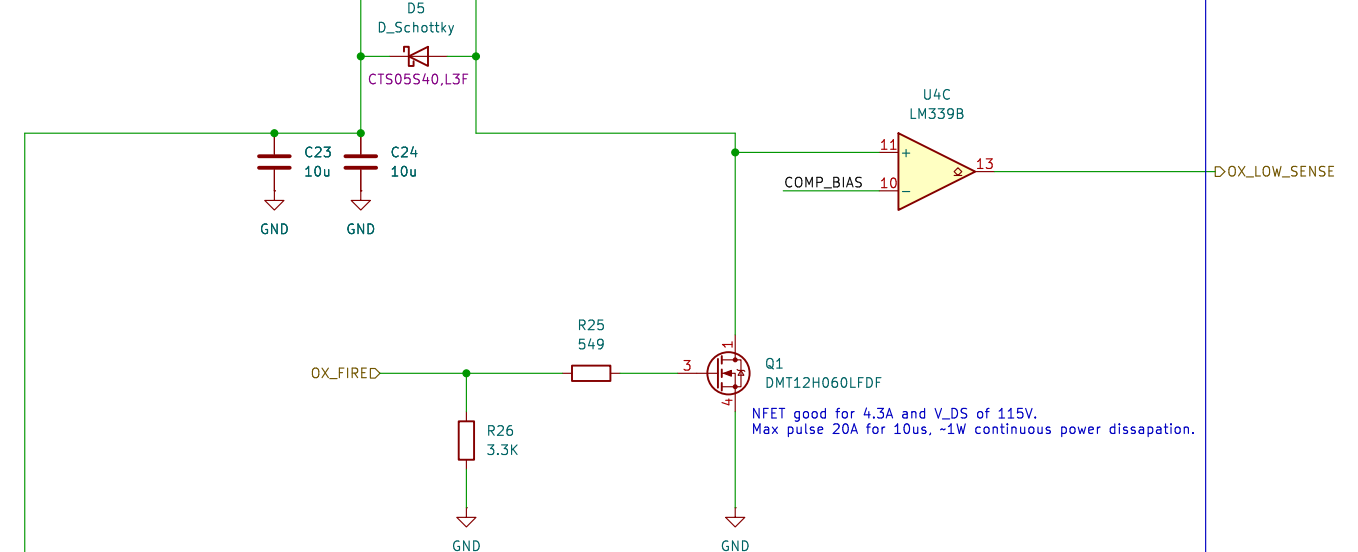
External Regulator

Bypassed battery voltage or connector for external regulator



To allow for 8s battery connection (33.6V max) change TVS to PESD1CANFD33L-QYL

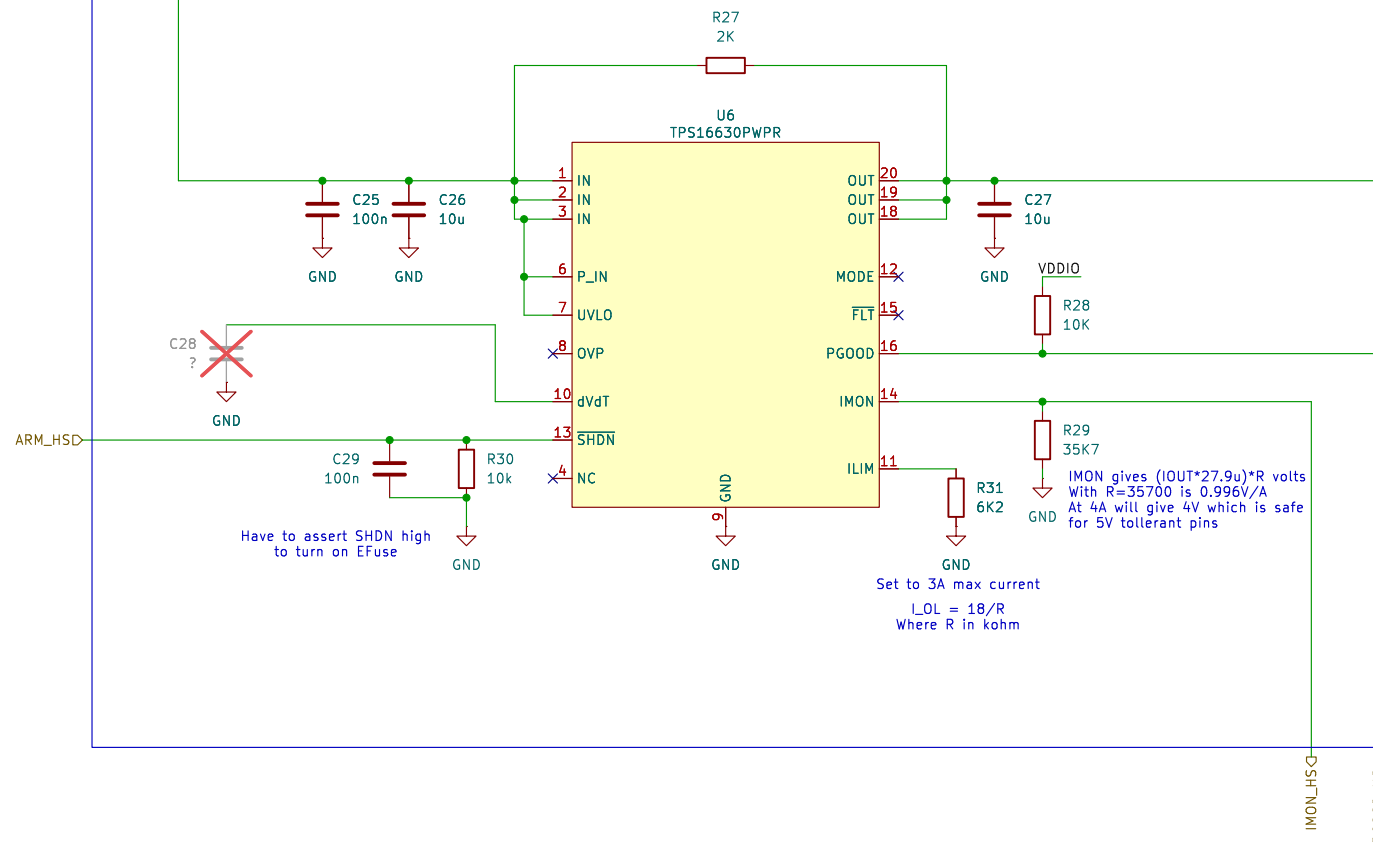
Ox Solenoid Control



NFET good for 4.3A and V_DS of 115V.
Max pulse 20A for 10us, -1W continuous power dissipation.

High Side Switch

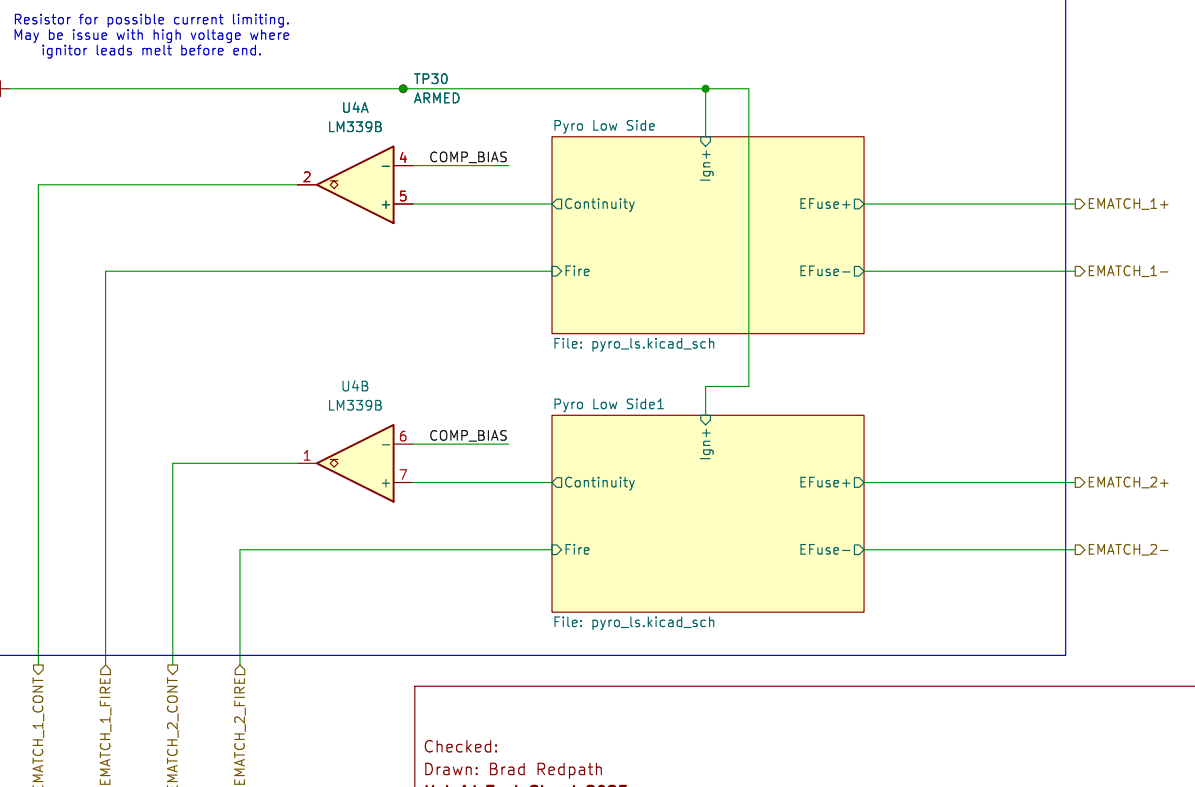
Allow a small current through to test continuity.
With the voltage divider on the other side current
will not exceed 137uA through each ignitor.
In case of low side switch fault upto 15mA
can pass, this should be well safe.
Click for verification



Have to assert SHDN high
to turn on EFuse

Set to 3A max current
 $I_{OL} = 18/R$
Where R in kohm

Ignitors



Checked:
Drawn: Brad Redpath
Hybrid Test Stand 2025
Sheet: /Interlocked/
File: ign+nc_valve.kicad_sch

Title: Interlocked Components

Size: A3 Date: 2025-04-13
KiCad E.D.A. 9.0.0

Rev: A
Id: 2/5

