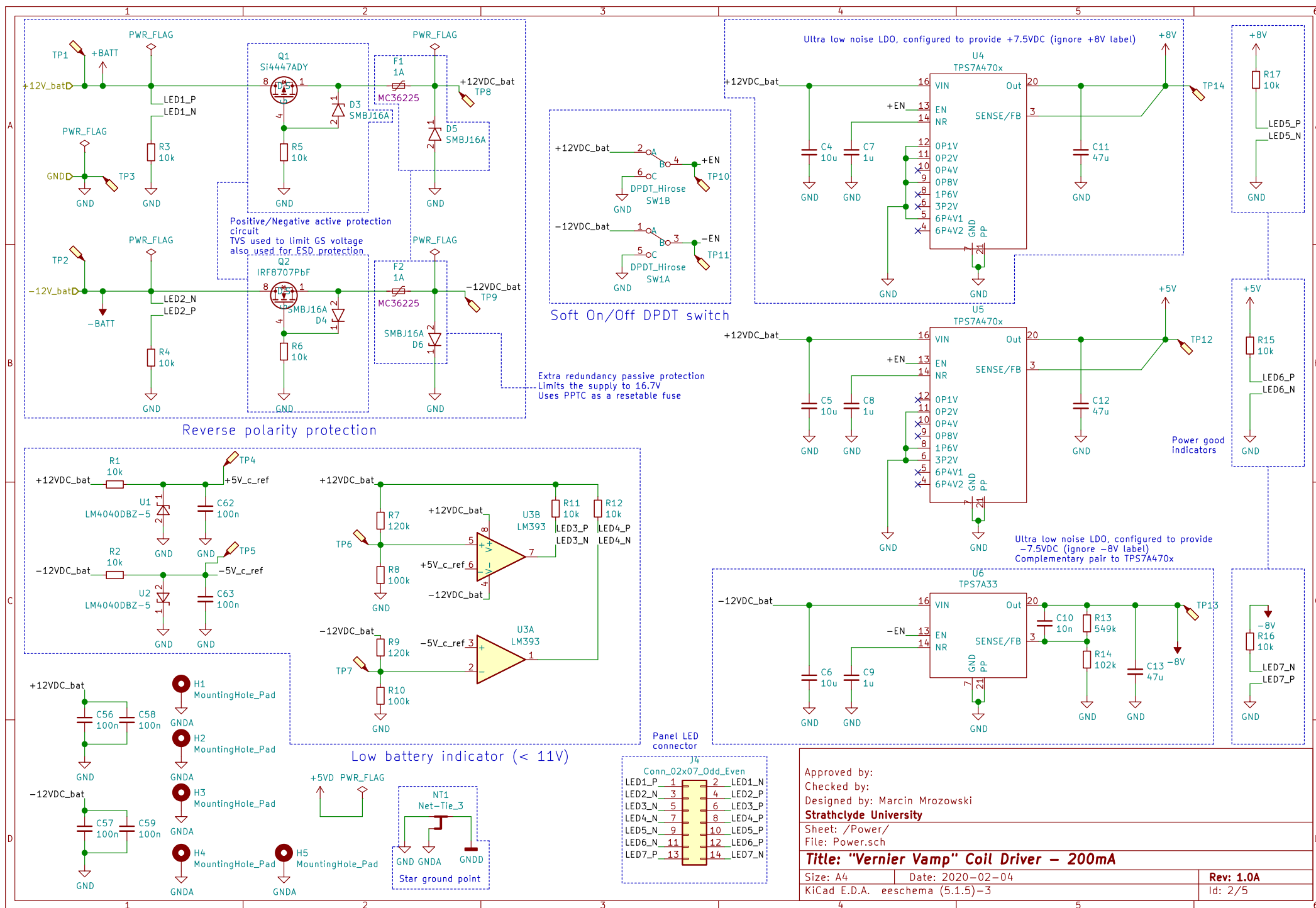


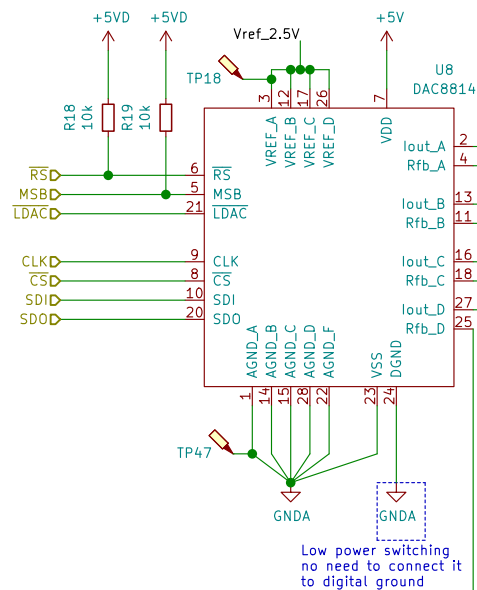
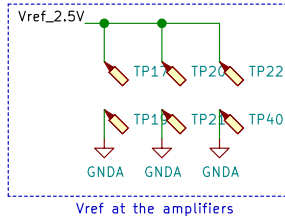
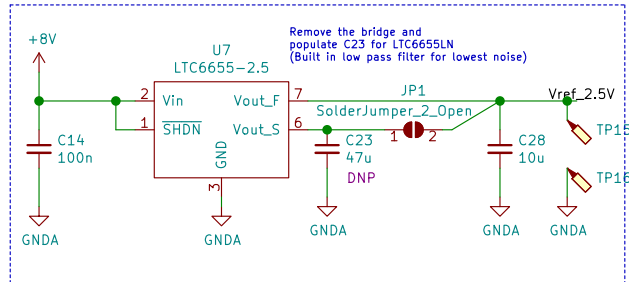
Enclosure: Hammond 1455N1601BK  
160 X 103 X 53

Anodised aluminum

Approved by:		
Checked by:		
Designed by: Marcin Mrozowski		
Strathclyde University		
Sheet: /		
File: Vernier_Vamp-200mA.sch		
Title: "Vernier Vamp" Coil Driver – 200mA		
Size: A4	Date: 2020-02-04	Rev: 1.0A
KiCad E.D.A. eeschema (5.1.5)-3		Id: 1/5



## 2.5V reference



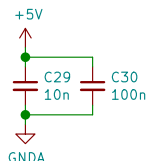
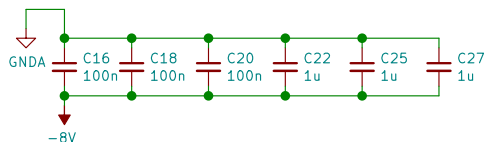
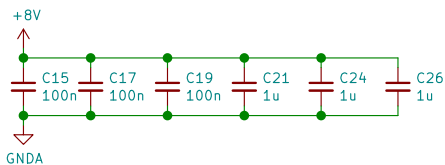
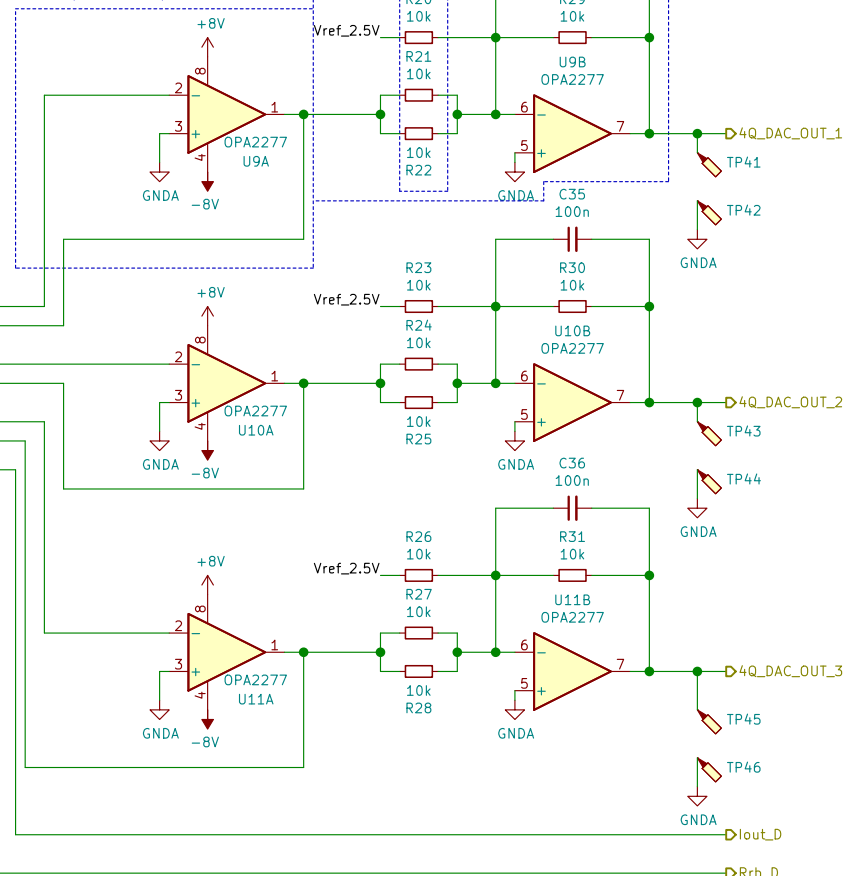
Low power switching  
no need to connect it  
to digital ground

## 4Q DAC

Four quadrant stage (enables bidirectional current flow)  
compensated to 160 Hz for lower noise

Resistors have to match expected  
impedance of DAC output  
(balance between noise and power)

### Transimpedance amplifier



Approved by:  
Checked by:  
Designed by: Marcin Mrozowski  
**Strathclyde University**

Sheet: /DAC/  
File: DAC.sch

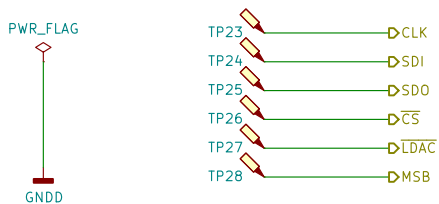
**Title: "Vernier Vamp" Coil Driver – 200mA**

Size: A4 Date: 2020-02-04

KiCad E.D.A. eeschema (5.1.5) -3

Rev: 1.0A

Id: 3/5



Id: 4/5

