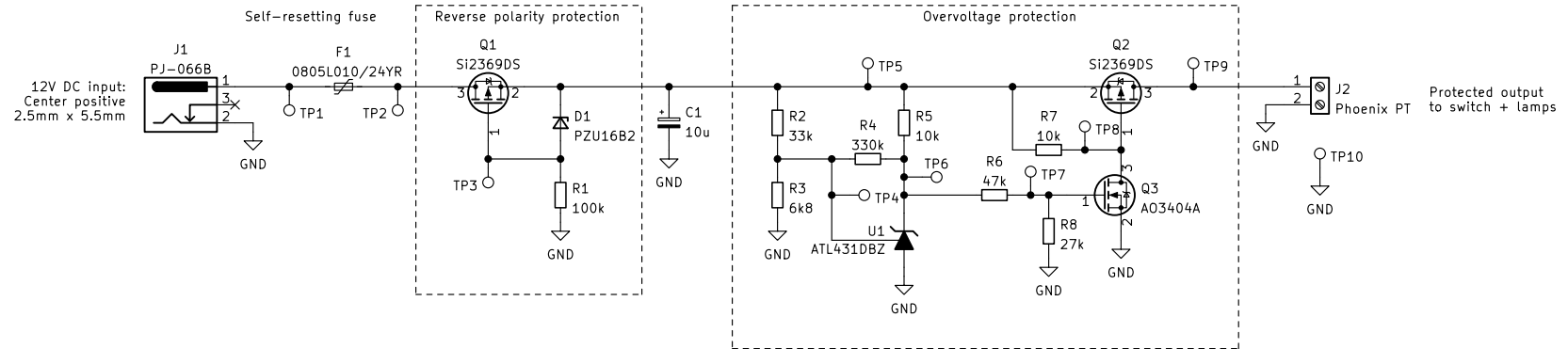


Tau Beta Pi Lighting System – Protection Board



Nominal circuit specifications:
Voltage -- 9 to 14.5V DC
Current -- 30 mA per light, only one light on at any given time

Protection specifications:
Overvoltage thres. -- 14.3 VDC
Overcurrent thres. -- 100 mA minimum
Reverse polarity -- Prevents damage by center negative DC input

H1
#4 Mounting Hole

Design by Erik Haag
Tau Beta Pi – Minnesota Alpha

Sheet: /
File: TBP_Protection.kicad_sch

Title: Power Input Protection Circuit

Size: A Date: 2022-01-04
KiCad E.D.A. kicad (6.0.2)

Rev: A
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