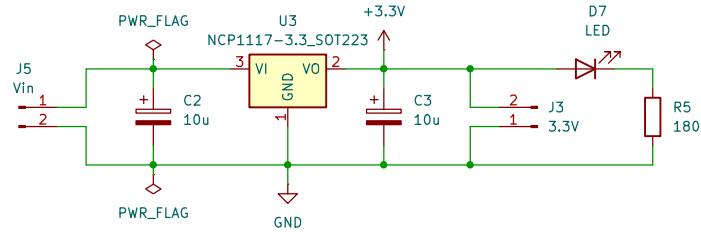
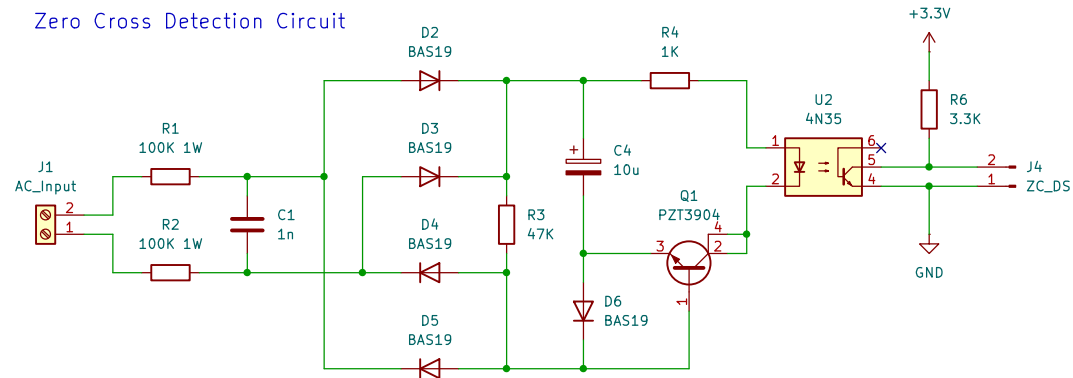


## DC Power regulation Circuit



## Zero Cross Detection Circuit



Compadable with 100V systems.  
Input AC input resistors should be rated above 100V 1W each.  
Components after the AC input resistors should rated above 30V.

Startup time is around 250ms as C4 should reach equilibrium,

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File: zero\_cross\_detector.kicad\_sch

**Title: Zero cross detector circuit**

Size: A4

Date: 2025-03-10

Rev: 0

KiCad E.D.A. 9.0.0

Id: 1/1