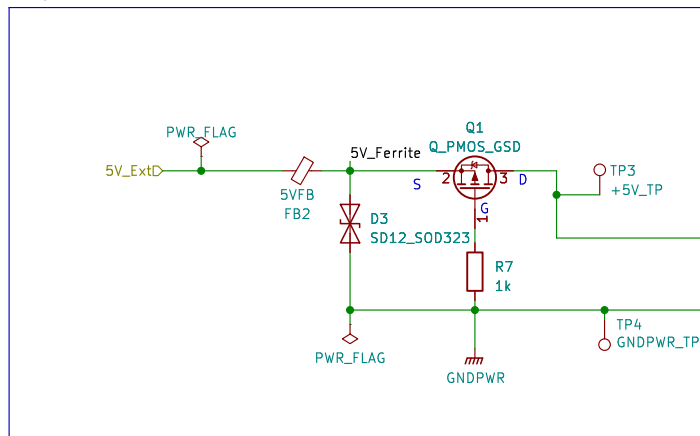


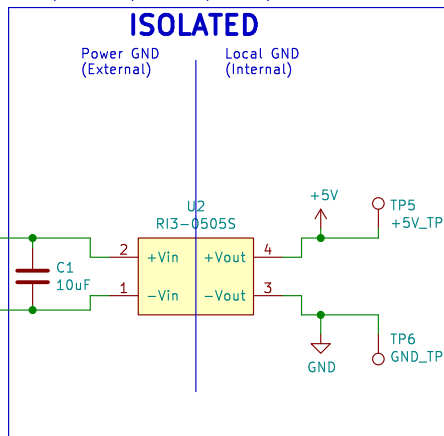
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KiCad E.D.A. kicad 7.0.2-0		Id: 2/5



Vin protection

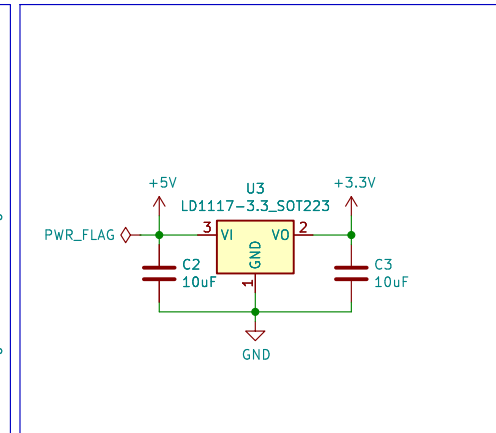


+5V (unisolated) to +5V (isolated)

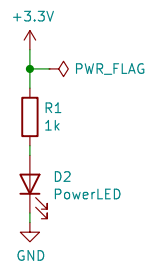


Isolated DC-DC Converter for +5V power to an isolated +5V. The input gnd (Power GND) is different from the output gnd (Local GND)

5V to 3.3V



+5V is already isolated so no need to isolate +3.3V
Linear Regulator to step down +5V to +3.3V.
An isolated converter was not used for the +3.3V line because of price and space. May need to change this to DC-DC converter if we really want to make the BPS more energy efficient.



Sheet: /PowerDist/
File: PowerDist.kicad_sch

Title:

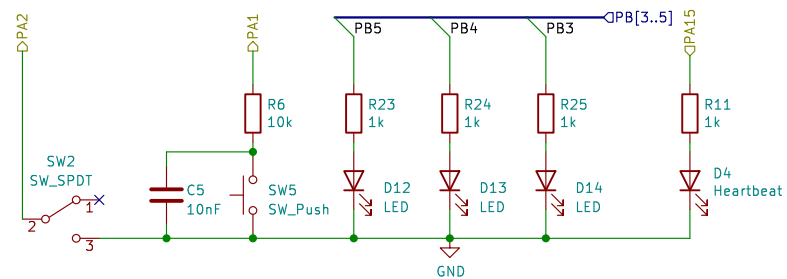
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IO pins: PA1, PA2
Generic LED Pins: PB3-5
Heartbeat LED: PA15

Sheet: /Switches and LEDs/
File: Leds.kicad_sch

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