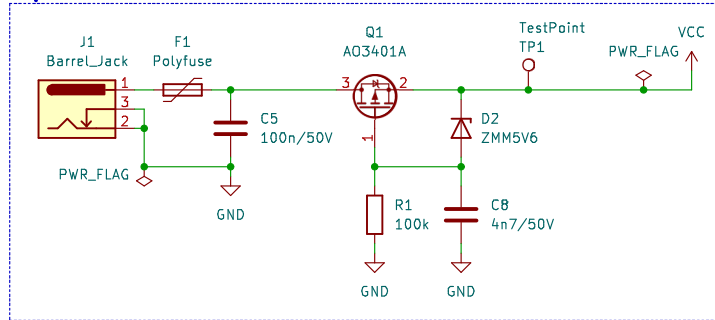
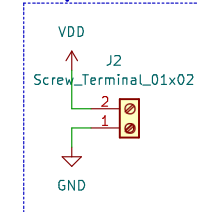


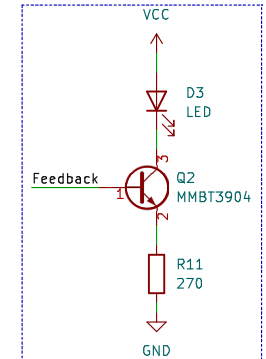
Input Protection



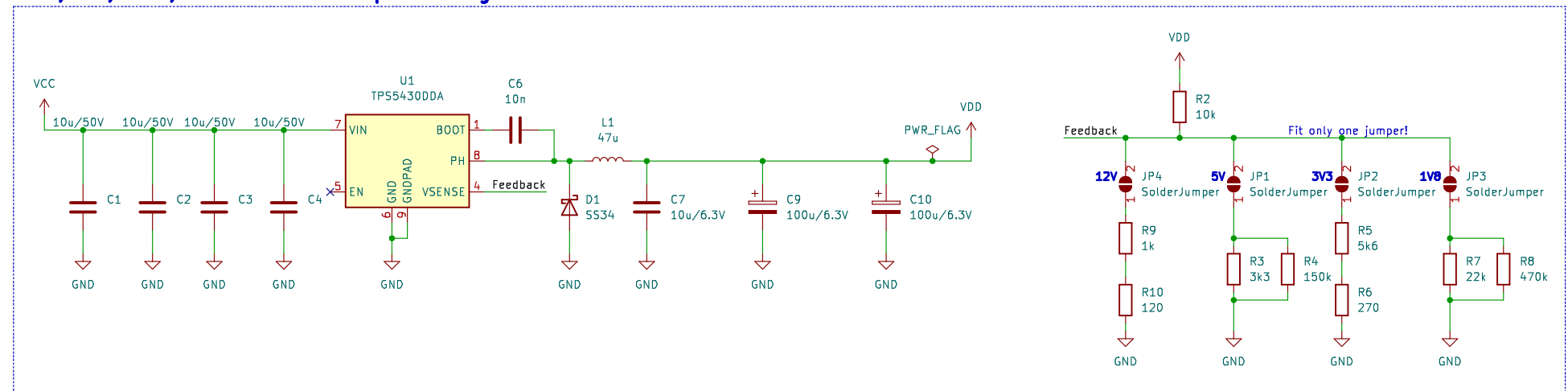
Output



Status Indicator



+12V/+5V/+3V3/+1V8 3A DC-DC Step-Down Regulator



JLCPCB Extended Parts:
 * Polyfuse
 * Power Inductor
 * Barrel Jack Connector
 * Screw Terminal

$V_{in} = 5.5V_{..36V}$
 $V_{in_min} = 1.15 * V_{out}$
 $V_{in_max} = 8.33 * (V_{out} + 0.5)$
 $V_{out} = 1V8/3V3/5V/12V$
 $I_{out} = 3A$
 $f = 500kHz$
 $V_{out_ripple} = \text{max. } 15mV$

H1 MountingHole
 H2 MountingHole
 H3 MountingHole
 H4 MountingHole

<https://github.com/M4a1x/TPS5430>

Max Stabel

Sheet: /

File: TPS5430.kicad_sch

Title: TPS5430

Size: A4 Date: 2021-07-17

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Rev: 1.1.0

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