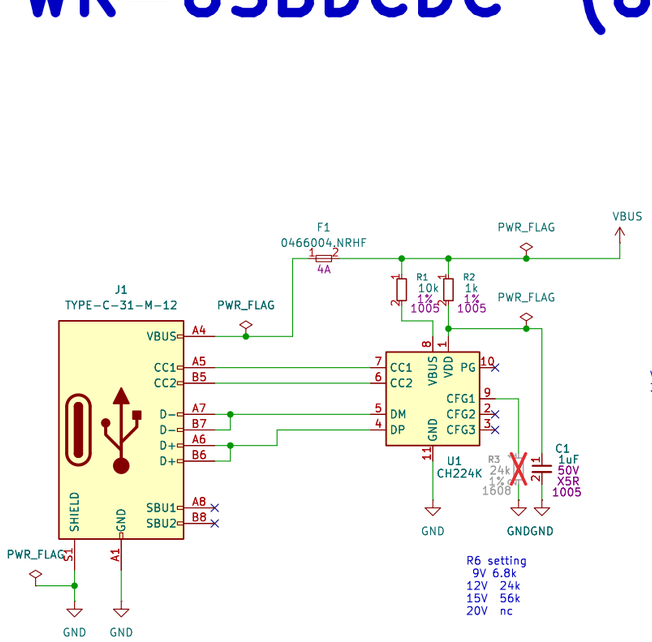
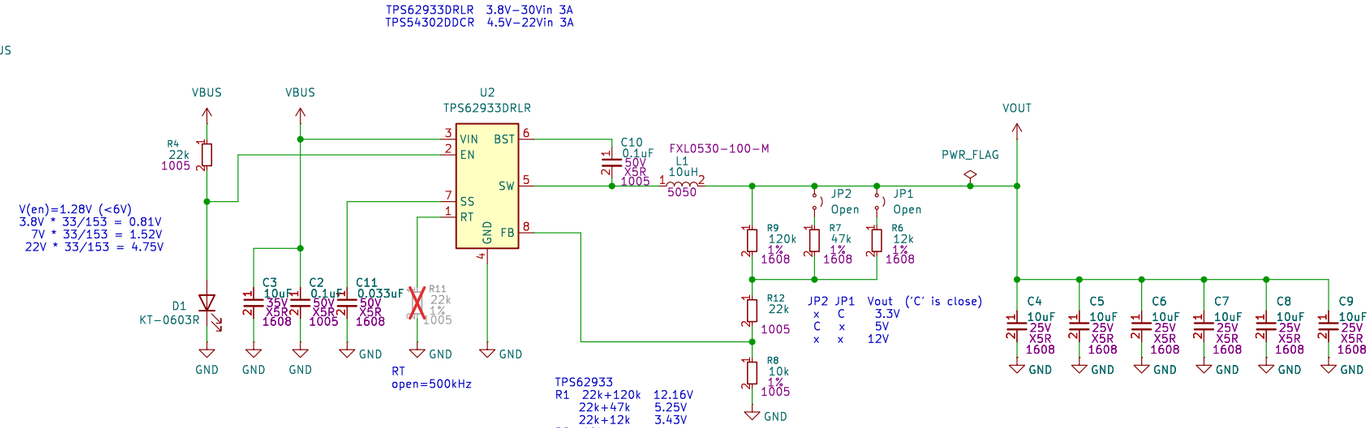
PWR-USBDCDC (USB PD Trig + DCDC)

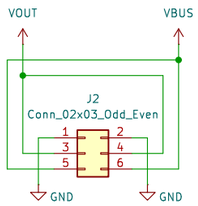




R1 120k+22k ... 12.0V
33.8k+22k ... 5.0V
10.9k+22 ... 3.3V

R2 = 10k

Vo = (R1/R2 + 1) * Vref
Vo(3.3V) = (32.9k/10k + 1) * 0.8
= 3.43V
Vo(5V) = (55.8k/10k + 1) * 0.8
= 5.26V
Vo(12V) = (142k/10k + 1) * 0.8
= 12.16V



H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole

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File: PWR-USBDCDC.kicad_sch

Title: PWR-USBDCDC

Size: A3 | Date: | **Rev: 1.00**
KiCad E.D.A. 9.0.1 | Id: 1/1