

\_ 100n 50V

СВ

GND

GND

TPS\_VOUT

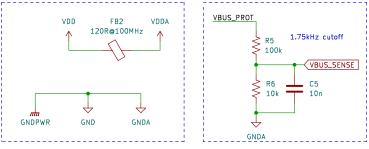
C11 \_\_\_

\_ C12

10u 25V 10u 25V



VBUS\_PROT\_HELDUP\_FILT

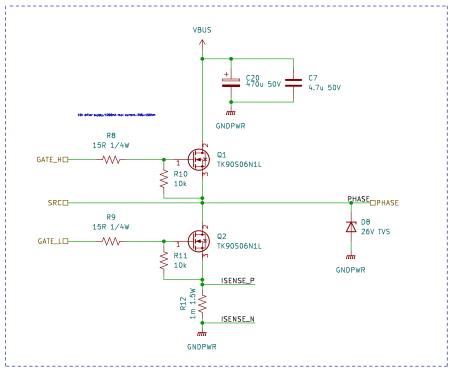


Analog domain supply filter

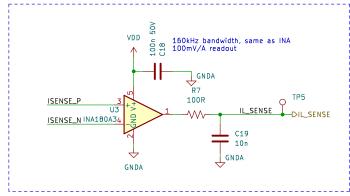
Supply voltage sensing

VBUS\_SENSE

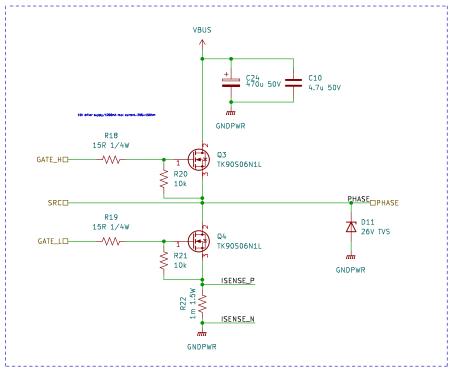
100k:10k divider ensures startup (>1.36V on EN) for Vbus>15V GND shutdown (<0.95V on EN) for Vbus<10V



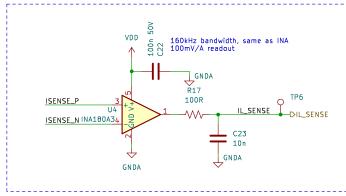
MOSFET half-bridge



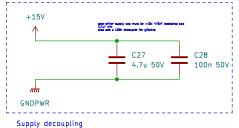
Current sense amplifier and signal conditioning

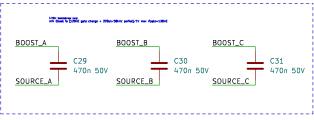


MOSFET half-bridge

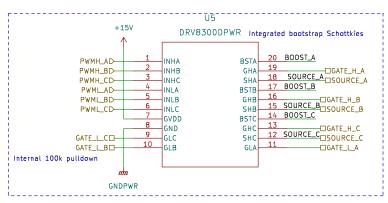


Current sense amplifier and signal conditioning

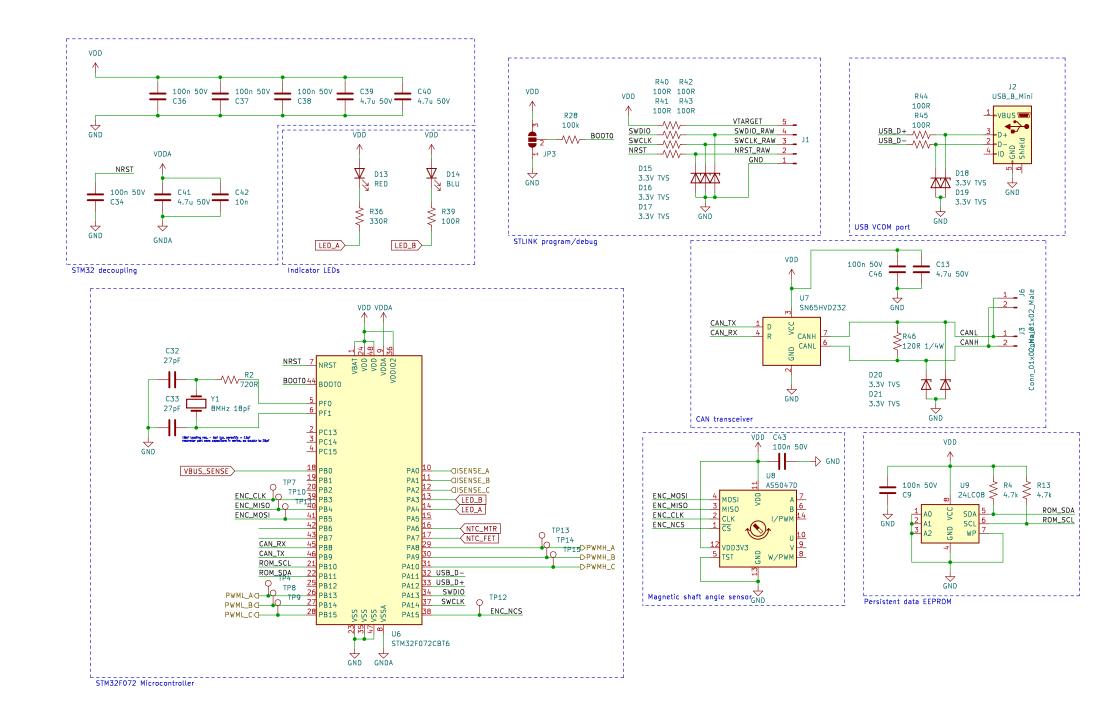


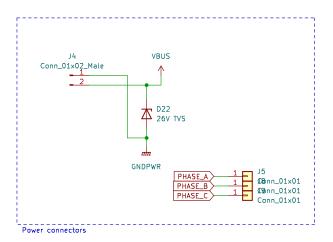


Bootstrap capacitors

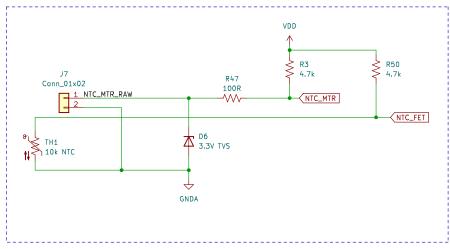


Triple half-bridge gate driver IC

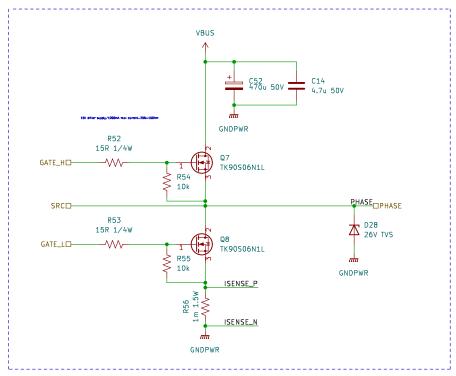




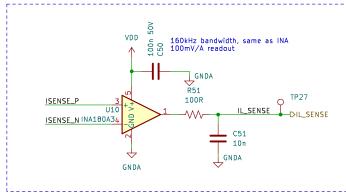
H2
MountingHole
H3
MountingHole
H4
MountingHole



Thermistor inputs



MOSFET half-bridge



Current sense amplifier and signal conditioning