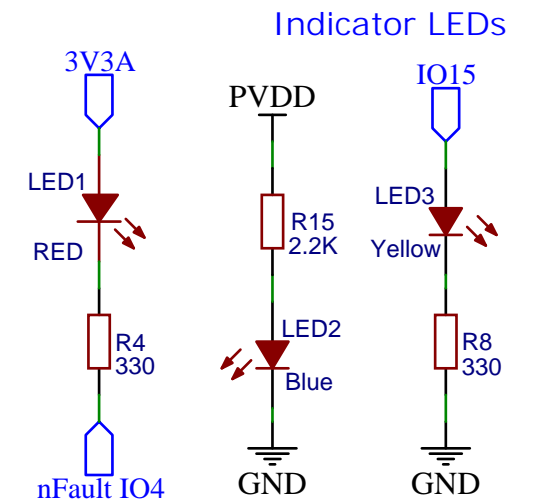


Logic Stage

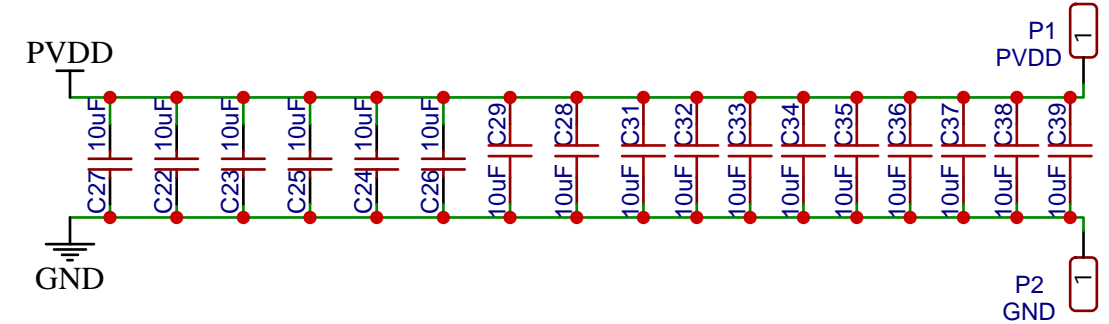
Red - Power stage Fault
(Driven by the DRV8305)

Blue - PVDD connected

Yellow - Controller by ESP32

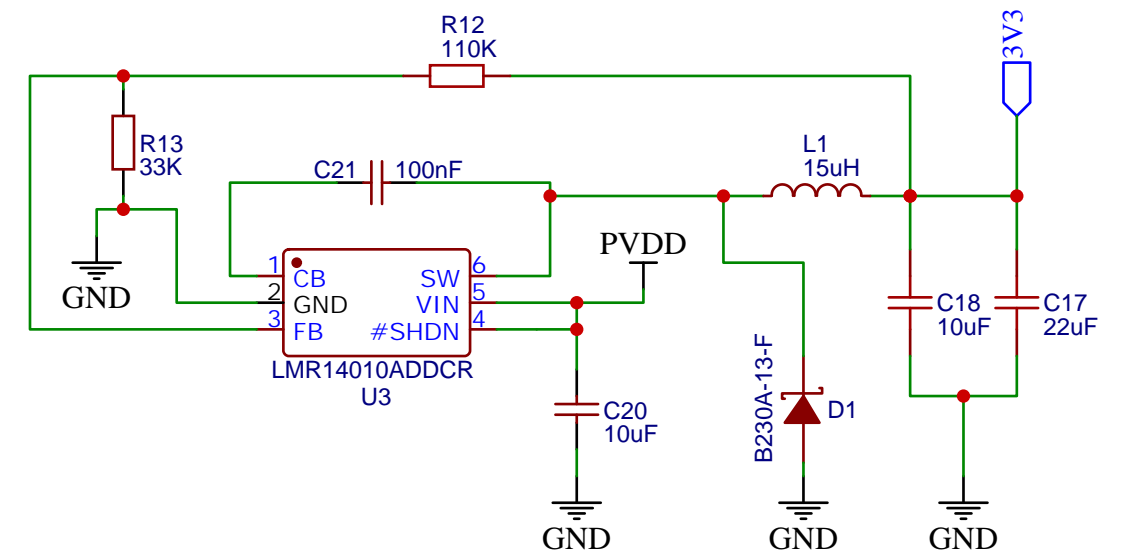


Bulk Capacitance



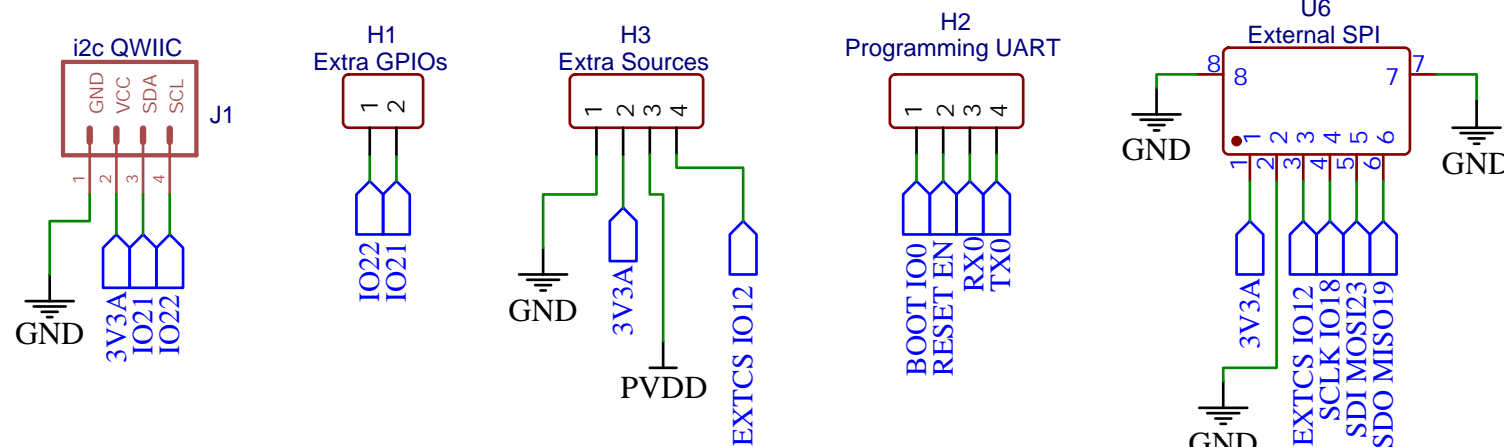
Place capacitors as close as possible to the MOSFETs
 At least 25V rated capacitors, ideally 50V

3.3V Buck converter



$R1 = 33K * ((3.3/0.765) - 1) = 109K$
 $Cout > (2 * 0.75) / (700,000 * 3.3 * 0.02) = 32uF$
 $Lmin > ((24 - 3.3) / (0.75 * 0.35)) * ((3.3) / (24 * 700,000)) = 15 uH$

Connectors



TITLE:

Dagor - ESP32/BUCK/Connectors/Buttons/Bulk cap

REV: 2.6

Company: DAGOR DEVELOPMENTS

Sheet: 2/2

Date: 2024-01-10 Drawn By: David Gonzalez R