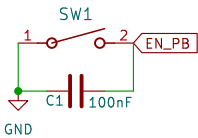
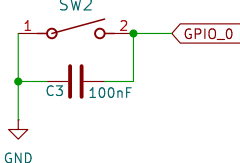


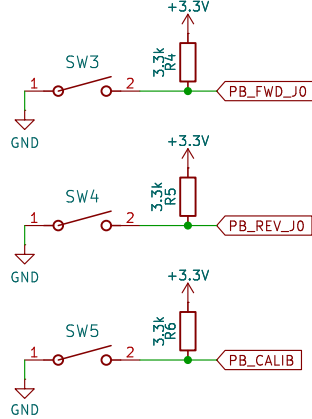
Enable ESP32 Button



Boot ESP32 Button



Manual Jog buttons

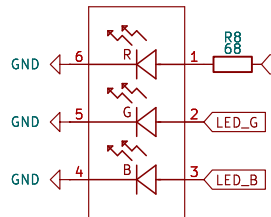


LED Error States

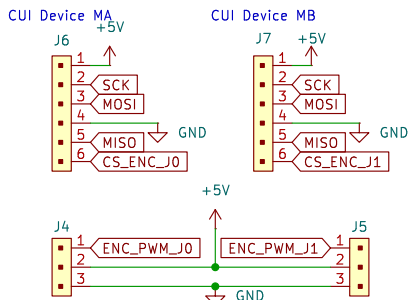
Vert and Bleu -> $V_{f_{typ}} = 3.2V$
donc ok sur le 3.3

Red: $V_{f_{max}} = 2.6V$ | $V_{f_{typ}} = 2.0V$
 $R = V/I \Rightarrow (3.3 - 2.0) / 0.020 \text{ mA} = R = 65 \Rightarrow R_{E24} = 68 \text{ Ohms}$

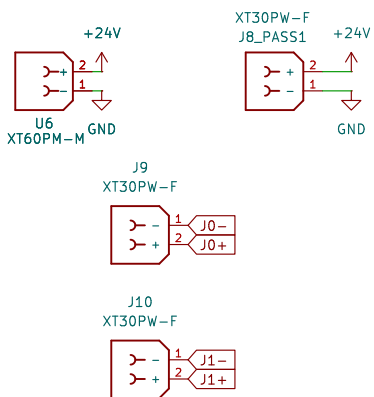
D3
CLP6C-FKB-CKNPRGJBB7A363



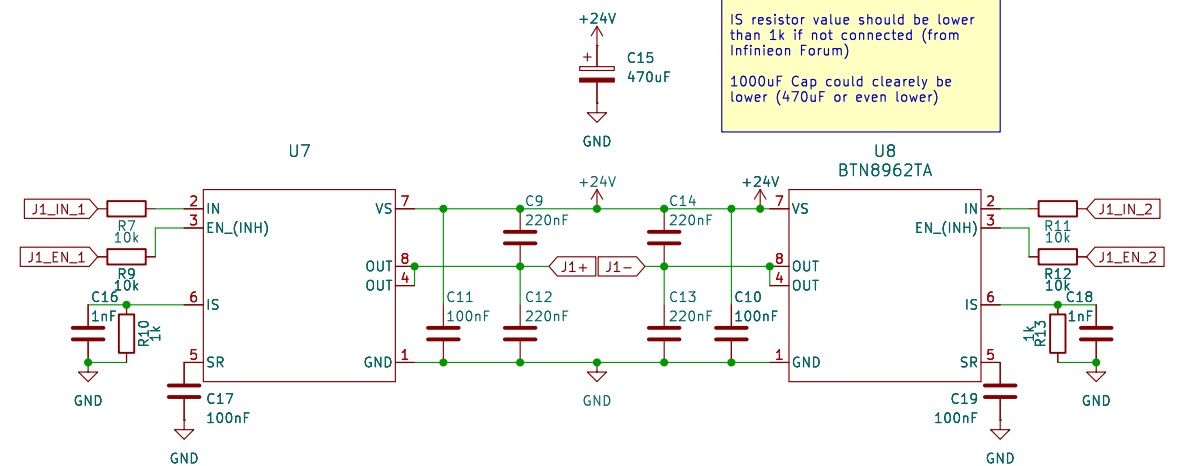
Encoder In



Power Connector (IN/OUT + J0 + J1)



H-Bridge 20A motor

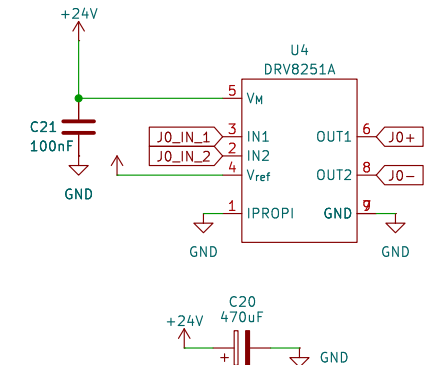


INH Pins on IFX half bridges needs to be pulled high for OP. But should flash low each time they boot to reset the thermalshutdown latch

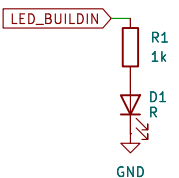
IS resistor value should be lower than 1k if not connected (from Infineon Forum)

1000uF Cap could clearly be lower (470uF or even lower)

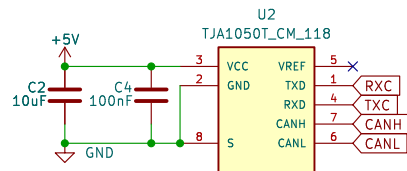
H-Bridge 4A motor



LED Build In



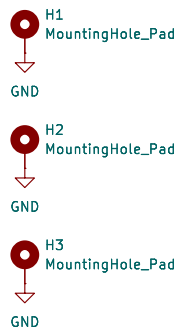
CAN Transceiver



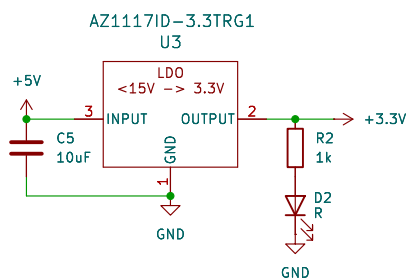
Data Connectors



Mounting Holes



ESP LDO



Sheet: /
File: arm_drive.kicad_sch

Title:

Size: A3

Date:

Rev:

KiCad E.D.A. 8.0.2

Id: 1/1