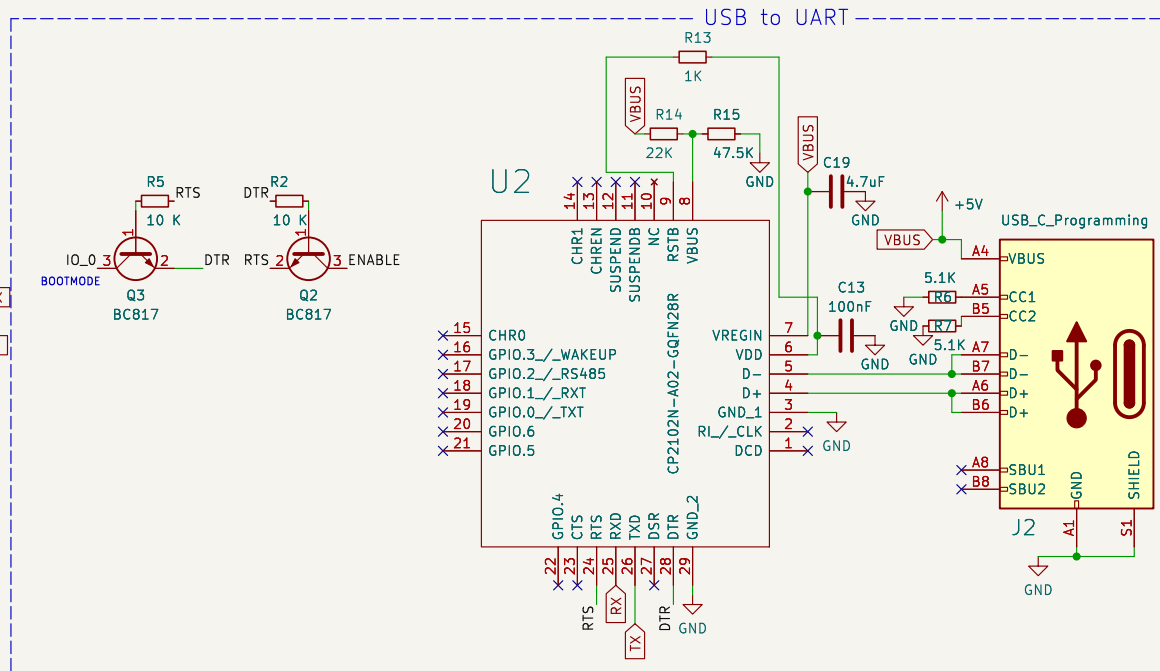
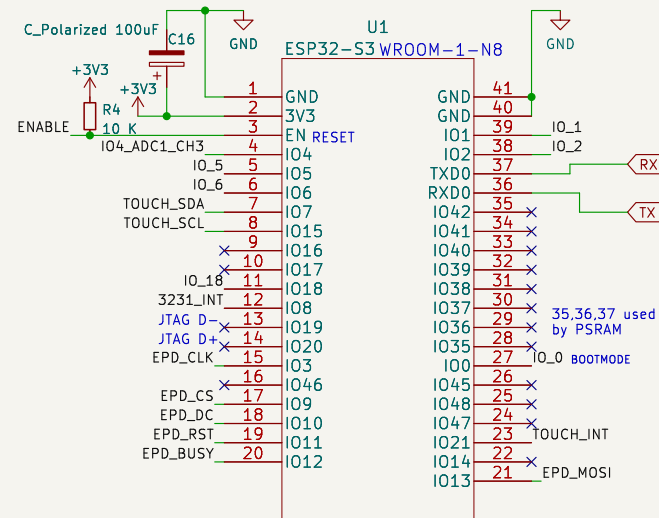
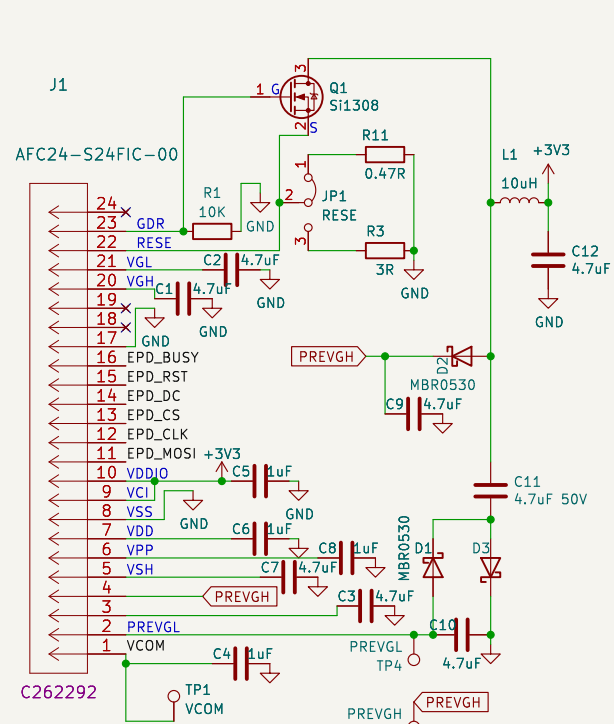


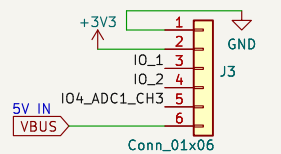
ESP32-S3 epaper touch w/2 MB ext. RAM

## HV boost circuit

ATTENTION: C12 is 0603 and smaller than others



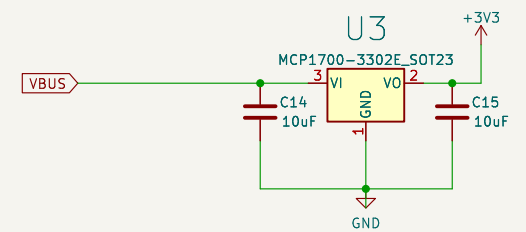
## EXT. 10 + POWER IN



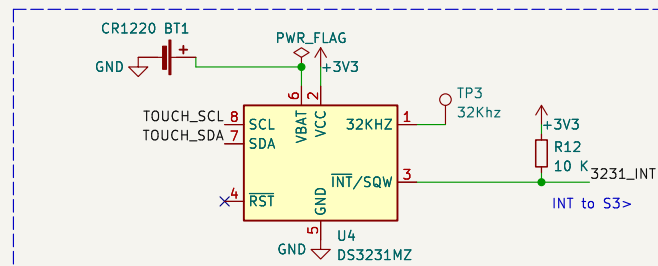
- UART signals (if CP2102 is not OK)



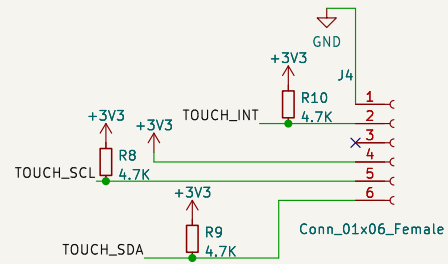
- VBUS to 3.3V LDO



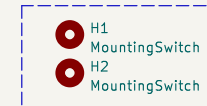
## DS3231 Real time clock via I2C



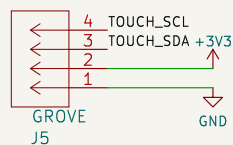
6 FPC Touch I2C connector-



Mounting w/ wall switch



Grove I2C connector



**IMPORTANT:** If used as an ON / OFF switch it should NOT be used in any case for machinery that is for medical use or industrial heavy load devices. This an experimental switch that should only be used in home appliances with no more than 200 Watts top consumption.

Sheet: /  
File: S3-27-epaper-touch.kicad\_sch

**Title:** ESP32-C3 epaper controller with touch

Size: A3

Date: 2022-11-22

Rev: 1.1

KiCad E.D.A. 9.0.0

Id: 1/1